

## Immunotag™ SNF5 Antibody

| Antibody Specification |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Catalog No.            | ITA3855                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Product Description    | Immunotag™ SNF5 Antibody                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Size                   | 100 µg, 200 µg                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Conjugation            | HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647                                                                                                                                                                                                                                                                                                                     |
| IMPORTANT NOTE         | This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.                                                                                                                                                                                                                                                                                |
| Target Protein         | SNF5                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Clonality              | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Storage/Stability      | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Application            | WB,ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Recommended Dilution   | WB 1:1000-3000                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Concentration          | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Reactive Species       | Human,Mouse,Rat                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Host Species           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Immunogen              | A synthesized peptide derived from human SNF5                                                                                                                                                                                                                                                                                                                                                                                                     |
| Specificity            | SNF5 Antibody detects endogenous levels of total SNF5                                                                                                                                                                                                                                                                                                                                                                                             |
| Purification           | The antiserum was purified by peptide affinity chromatography.                                                                                                                                                                                                                                                                                                                                                                                    |
| Form                   | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt                                                                                                                                                                                                                                                                                       |
| Gene Name              | SMARCB1                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Accession No.          | Q12824                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Alternate Names        | BAF47; BRG1-associated factor 47; hSNF5; INI1; Integrase interactor 1 protein; Malignant rhabdoid tumor suppressor; RDT; RTPS1; Sfh1p; SMARCB1; SNF5 homolog; SNF5_HUMAN; SNF5L1; Snr1; Sucrose nonfermenting yeast homolog like 1; SWI/SNF complex component SNF5; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily B member 1; SWI10; Transcription factor TYE4; Transcription regulatory protein SNF5; TYE4; |

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| Description               | <p>Core component of the BAF (hSWI/SNF) complex. This ATP-dependent chromatin-remodeling complex plays important roles in cell proliferation and differentiation, in cellular antiviral activities and inhibition of tumor formation. The BAF complex is able to create a stable, altered form of chromatin that constrains fewer negative supercoils than normal. This change in supercoiling would be due to the conversion of up to one-half of the nucleosomes on polynucleosomal arrays into asymmetric structures, termed altosomes, each composed of 2 histones octamers. Stimulates in vitro the remodeling activity of SMARCA4/BRG1/BAF190A. Involved in activation of CSF1 promoter. Belongs to the neural progenitors-specific chromatin remodeling complex (npBAF complex) and the neuron-specific chromatin remodeling complex (nBAF complex). During neural development a switch from a stem/progenitor to a postmitotic chromatin remodeling mechanism occurs as neurons exit the cell cycle and become committed to their adult state. The transition from proliferating neural stem/progenitor cells to postmitotic neurons requires a switch in subunit composition of the npBAF and nBAF complexes. As neural progenitors exit mitosis and differentiate into neurons, npBAF complexes which contain ACTL6A/BAF53A and PHF10/BAF45A, are exchanged for homologous alternative ACTL6B/BAF53B and DPF1/BAF45B or DPF3/BAF45C subunits in neuron-specific complexes (nBAF). The npBAF complex is essential for the self-renewal/proliferative capacity of the multipotent neural stem cells. The nBAF complex along with CREST plays a role regulating the activity of genes essential for dendrite growth (By similarity). Plays a key role in cell-cycle control and causes cell cycle arrest in G0/G1.</p> |
| Cell Pathway/<br>Category | Primary Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Protein MW                | 44kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Usage                     | For Research Use Only! Not for diagnostic or therapeutic procedures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |