

# Immunotag™ ZNRF2 Polyclonal Antibody

| Antibody Specification |                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No.            | ITT4986                                                                                                                                                            |
| Product Description    | Immunotag™ ZNRF2 Polyclonal Antibody                                                                                                                               |
| Size                   | 50 µg, 100 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         | ZNRF2                                                                                                                                                              |
| Clonality              | Polyclonal                                                                                                                                                         |
| Storage/Stability      | -20°C/1 year                                                                                                                                                       |
| Application            | IHC-p,IF,ELISA                                                                                                                                                     |
| Recommended Dilution   | Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.                                     |
| Concentration          | 1 mg/ml                                                                                                                                                            |
| Reactive Species       | Human,Mouse                                                                                                                                                        |
| Host Species           | Rabbit                                                                                                                                                             |
| Immunogen              | The antiserum was produced against synthesized peptide derived from human ZNRF2. AA range:161-210                                                                  |
| Specificity            | ZNRF2 Polyclonal Antibody detects endogenous levels of ZNRF2 protein.                                                                                              |
| Purification           | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen                                               |
| Form                   | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                            |
| Gene Name              | ZNRF2                                                                                                                                                              |
| Accession No.          | Q8NHG8 Q71FD5                                                                                                                                                      |
| Alternate Names        | ZNRF2; RNF202; E3 ubiquitin-protein ligase ZNRF2; Protein Ells2; RING finger protein 202; Zinc/RING finger protein 2                                               |

## Antibody Specification

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| Description              | domain:The RING-type zinc finger domain is required for E3 ligase activity.,function:May play a role in the establishment and maintenance of neuronal transmission and plasticity via its ubiquitin ligase activity. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates.,pathway:Protein modification; protein ubiquitination.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 1 RING-type zinc finger.,subcellular location:Present in presynaptic plasma membranes in neurons.,subunit:Interacts with UBE2N.,tissue specificity:Highly expressed in the brain, with higher expression during development than in adult. Expressed also in mammary glands, testis, colon and kidney., |
| Protein Expression       | Epithelium,Ovary,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Subcellular Localization | cytoplasm,lysosomal membrane,cytosol,plasma membrane,endosome membrane,cell junction,cytoplasmic vesicle membrane,presynaptic membrane,protein complex,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Protein Function         | domain:The RING-type zinc finger domain is required for E3 ligase activity.,function:May play a role in the establishment and maintenance of neuronal transmission and plasticity via its ubiquitin ligase activity. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates.,pathway:Protein modification; protein ubiquitination.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 1 RING-type zinc finger.,subcellular location:Present in presynaptic plasma membranes in neurons.,subunit:Interacts with UBE2N.,tissue specificity:Highly expressed in the brain, with higher expression during development than in adult. Expressed also in mammary glands, testis, colon and kidney., |
| Usage                    | For Research Use Only! Not for diagnostic or therapeutic procedures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |