

Immunotag™ NDRG4 Polyclonal Antibody

| Antibody Specification | |
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| Catalog No. | ITT3006 |
| Product Description | Immunotag™ NDRG4 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 | NDRG4 |
| Clonality | Polyclonal |
| Storage/Stability | -20°C/1 year |
| Application | WB,IHC-p,ELISA |
| Recommended Dilution | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. |
| Concentration | 1 mg/ml |
| Reactive Species | Human,Mouse,Rat |
| Host Species | Rabbit |
| Immunogen | The antiserum was produced against synthesized peptide derived from human NDRG4. AA range:187-236 |
| Specificity | NDRG4 Polyclonal Antibody detects endogenous levels of NDRG4 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 | NDRG4 |
| Accession No. | Q9ULP0 Q8BTG7 Q9Z2L9 |
| Alternate Names | NDRG4; BDM1; KIAA1180; Protein NDRG4; Brain development-related molecule 1; N-myc downstream-regulated gene 4 protein; Vascular smooth muscle cell-associated protein 8; SMAP-8 |

Antibody Specification

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| Description | NDRG family member 4(NDRG4) Homo sapiens This gene is a member of the N-myc downregulated gene family which belongs to the alpha/beta hydrolase superfamily. The protein encoded by this gene is a cytoplasmic protein that is required for cell cycle progression and survival in primary astrocytes and may be involved in the regulation of mitogenic signalling in vascular smooth muscles cells. Alternative splicing results in multiple transcripts encoding different isoforms.[provided by RefSeq, Jun 2011], |
| Protein Expression | Amygdala,Brain,Cerebellum,Heart,Hippocampus,Muscle,Spleen, |
| Subcellular Localization | cytoplasm,mitochondrion,endoplasmic reticulum membrane,cytosol,integral component of membrane,basolateral plasma membrane,cell projection membrane, |
| Protein Function | function:May play a role in the early postnatal development and function of neuronal cells.,similarity:Belongs to the NDRG family.,tissue specificity:Expressed only in brain and heart. Isoform 1 and isoform 2 are only expressed in brain. Isoform 3 is expressed in both heart and brain., |
| Usage | For Research Use Only! Not for diagnostic or therapeutic procedures. |