

NDRG2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57745**Specification**

NDRG2 Polyclonal Antibody - Product Information

| | |
|--------------------------------|--|
| Application | IHC-P, IHC-F, IF, E |
| Primary Accession | O9UN36 |
| Reactivity | Rat, Pig, Dog |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 41 KDa |
| Physical State | Liquid |
| Immunogen | KLH conjugated synthetic peptide derived from human NDRG2 |
| Epitope Specificity | 251-350/371 |
| Isotype | IgG |
| Purity | |
| affinity purified by Protein A | |
| Buffer | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| SUBCELLULAR LOCATION | Cytoplasm. Cytoplasm, perinuclear region. Cell projection, growth cone. Note=In neurons, seems to concentrate at axonal growth cone. Perinuclear in neurons. Belongs to the NDRG family. |
| SIMILARITY | Interacts with CTNNB1. |
| SUBUNIT | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| Important Note | |

Background Descriptions

his 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 may play a role in neurite outgrowth. This gene may be involved in glioblastoma carcinogenesis. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Jul 2008]

NDRG2 Polyclonal Antibody - Additional Information**Gene ID** 57447**Other Names**

Protein NDRG2, N-myc downstream-regulated gene 2 protein, Protein Syld709613, NDRG2, KIAA1248, SYLD

Target/Specificity

Highly expressed in brain, heart, skeletal muscle and salivary gland, and moderately in kidney and liver. Expressed in dendritic cells, but not in other blood cells. Expression levels are low in

pancreatic and liver cancer tissues; absent in meningioma. Expressed in low-grade gliomas but present at low levels in glioblastoma. Isoform 1 and isoform 2 are present in brain neurons and up-regulated in Alzheimer disease (at protein level).

Dilution

IHC-P ~ N/A
IHC-F ~ N/A
IF ~ 1:50 ~ 200
E ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

NDRG2 Polyclonal Antibody - Protein Information

Name NDRG2

Synonyms KIAA1248, SYLD

Function

Contributes to the regulation of the Wnt signaling pathway. Down-regulates CTNNB1-mediated transcriptional activation of target genes, such as CCND1, and may thereby act as tumor suppressor. May be involved in dendritic cell and neuron differentiation.

Cellular Location

Cytoplasm. Cytoplasm, perinuclear region. Cell projection, growth cone. Note=In neurons, seems to concentrate at axonal growth cone. Perinuclear in neurons (By similarity).

Tissue Location

Highly expressed in brain, heart, skeletal muscle and salivary gland, and moderately in kidney and liver. Expressed in dendritic cells, but not in other blood cells. Expression levels are low in pancreatic and liver cancer tissues; absent in meningioma Expressed in low-grade gliomas but present at low levels in glioblastoma. Isoform 1 and isoform 2 are present in brain neurons and up-regulated in Alzheimer disease (at protein level)

NDRG2 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NDRG2 Polyclonal Antibody - Images