

NDRG2 (Phospho Thr348) Rabbit pAb

CatalogNo: YP1750

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 40kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human NDRG2 (Phospho-Thr348)

Specificity This antibody detects endogenous levels of NDRG2 (Phospho-Thr348) at Human, Mouse, Rat. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):SRtLS

| Target Information

Gene name NDRG2 KIAA1248 SYLD
Protein Name NDRG2 (Phospho-Thr348)

Organism	Gene ID	UniProt ID
Human	57447 ;	Q9UN36 ;
Mouse	29811 ;	Q9QYG0 ;
Rat	171114 ;	Q8VBU2 ;

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

Tissue 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) .

Function developmental stage:Specifically expressed during dendritic cell differentiation (in vitro) . Expression is low in fetal brain and increases during brain postnatal development. ,Disease:Found in pathological brain lesions of Alzheimer disease. ,Disease:Not expressed or strongly down-regulated in various cancer types , such as astrocytoma , meningioma , liver cancer and pancreatic cancer. ,Function:May be involved in dendritic cell and neuron differentiation. May have anti-tumor activity. ,similarity:Belongs to the NDRG family. ,subcellular location:Perinuclear in neurons. ,tissue 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. Generally not expressed in tumor cell lines. Isoforms 1 and 2 are present in brain neurons and up-regulated in Alzheimer disease (at protein level) . ,

| Validation Data

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