

NDRG2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14742a**Specification**

NDRG2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9UN36](#)**NDRG2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 57447**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NDRG2 Antibody (N-term) Blocking Peptide - 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 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NDRG2 Antibody (N-term) Blocking Peptide - Images

NDRG2 Antibody (N-term) Blocking Peptide - Background

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 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.

NDRG2 Antibody (N-term) Blocking Peptide - References

Liu, J., et al. Exp. Cell Res. 316(12):1985-1993(2010) Choi, S.C., et al. Biochem. Biophys. Res. Commun. 396(3):684-690(2010) Shi, H., et al. Cancer Sci. 101(5):1292-1299(2010) Tschan, M.P., et al. Leuk. Res. 34(3):393-398(2010) Furuta, H., et al. Biochem. Biophys. Res. Commun. 391(4):1785-1791(2010)