

NDRG4 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17090c**Specification**

NDRG4 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9ULP0](#)**NDRG4 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 65009**Other Names**

Protein NDRG4, Brain development-related molecule 1, N-myc downstream-regulated gene 4 protein, Vascular smooth muscle cell-associated protein 8, SMAP-8, NDRG4, BDM1, KIAA1180

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.

NDRG4 Antibody (Center) Blocking Peptide - Protein Information**Name** NDRG4**Synonyms** BDM1, KIAA1180**Function**

Contributes to the maintenance of intracerebral BDNF levels within the normal range, which is necessary for the preservation of spatial learning and the resistance to neuronal cell death caused by ischemic stress (By similarity). May enhance growth factor-induced ERK1 and ERK2 phosphorylation, including that induced by PDGF and FGF. May attenuate NGF-promoted ELK1 phosphorylation in a microtubule-dependent manner.

Cellular Location

Cytoplasm, cytosol

Tissue Location

Expressed predominantly in brain and heart (at protein level). In the brain, detected in astrocytes. Isoform 1 and isoform 2 are only expressed in brain. Isoform 3 is expressed in both heart and brain. Up-regulated in glioblastoma multiforme cells

NDRG4 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NDRG4 Antibody (Center) Blocking Peptide - Images

NDRG4 Antibody (Center) 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 be involved in the regulation of mitogenic signalling in vascular smooth muscle cells. 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].

NDRG4 Antibody (Center) Blocking Peptide - References

Rose, J. Phd, et al. Mol. Med. (2010) In press : Holm, H., et al. Nat. Genet. 42(2):117-122(2010) Schilling, S.H., et al. J. Biol. Chem. 284(37):25160-25169(2009) Melotte, V., et al. J. Natl. Cancer Inst. 101(13):916-927(2009) Pfeufer, A., et al. Nat. Genet. 41(4):407-414(2009)