

NDRG4 Antibody (clone 2G3)
Mouse Monoclonal Antibody
Catalog # ALS14653**Specification**

NDRG4 Antibody (clone 2G3) - Product Information

Application	WB
Primary Accession	Q9ULP0
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Calculated MW	38kDa KDa

NDRG4 Antibody (clone 2G3) - 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

Target/Specificity

Human NDRG4

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

NDRG4 Antibody (clone 2G3) is for research use only and not for use in diagnostic or therapeutic procedures.

NDRG4 Antibody (clone 2G3) - 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

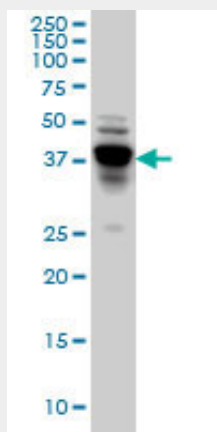
Expressed predominantly in brain and heart (at protein level). In the brain, detected in astrocytes. Isoform 1 and isoform 2 are only expressed in brain. Isoform 3 is expressed in both heart and brain. Up-regulated in glioblastoma multiforme cells

NDRG4 Antibody (clone 2G3) - 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](#)

NDRG4 Antibody (clone 2G3) - Images



Antibody ALS14653 Western blot of NDRG4 expression in Raw 264.7.

NDRG4 Antibody (clone 2G3) - Background

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NDRG4 Antibody (clone 2G3) - References

Zhou R.-H., et al. Genomics 73:86-97(2001).
Qu X., et al. Mol. Cell. Biochem. 229:35-44(2002).
Nishimoto S., et al. Eur. J. Biochem. 270:2521-2531(2003).
Wiemann S., et al. Genome Res. 11:422-435(2001).
Ota T., et al. Nat. Genet. 36:40-45(2004).