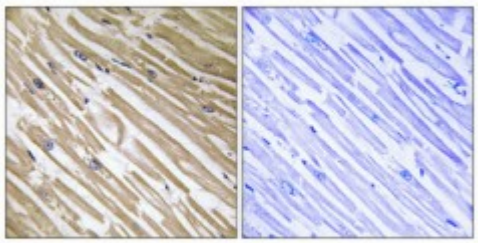
Anti-NDRG4 antibody



Description	Rabbit polyclonal to NDRG4.

Model	STJ94371
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human NDRG4
Immunogen Region	160-240 aa, Internal
Gene ID	65009
Gene Symbol	NDRG4
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:40000
Specificity	NDRG4 Polyclonal Antibody detects endogenous levels of NDRG4 protein.
Tissue Specificity	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.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Protein NDRG4 Brain development-related molecule 1 N-myc downstream-regulated gene 4 protein Vascular smooth muscle cell-associated protein 8 SMAP-8

Molecular Weight	34 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:14466OMIM:614463
Alternative Names	Protein NDRG4 Brain development-related molecule 1 N-myc downstream-regulated gene 4 protein Vascular smooth muscle cell-associated protein 8 SMAP-8
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 . 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 Localization	Cytoplasm, cytosol
Post-translational Modifications	Phosphorylated in an aortic smooth muscle cell line, following PDGF treatment.