

Product datasheet for **AP01498PU-S**

NDRG4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western Blot: 1/500-1/1000. Immunohistochemistry on paraffin sections: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	NDRG4 antibody detects endogenous levels of NDRG4 protein. (region surrounding Gly217)
Formulation:	Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 34 kDa
Gene Name:	NDRG family member 4
Database Link:	Entrez Gene 65009 Human Q9ULP0



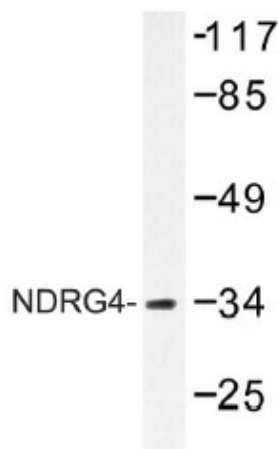
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Background:

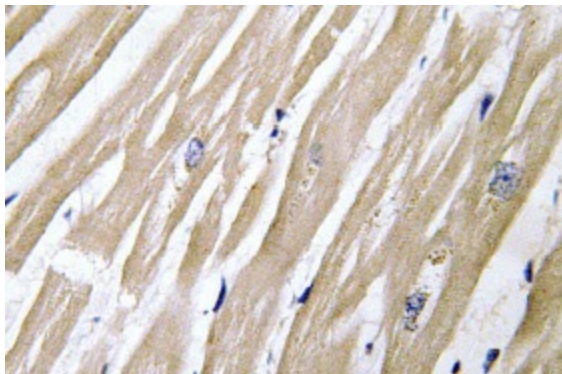
The N-Myc downstream regulated gene (NDRG) family is comprised of four members, namely NDRG1, NDRG2, NDRG3 and NDRG4, all of which share 57-65% homology. NDRG4 (NDRG family member 4), also known as SMAP8 (smooth muscle-associated protein 8) or BDM1 (brain development-related molecule 1), is a 352 amino acid cytoplasmic protein that belongs to the NDRG family. Expressed specifically in brain and heart, NDRG4 is thought to function as a regulator of mitogenic signaling in vascular smooth muscle cells. Additionally, NDRG4 may play a role in early postnatal development and may mediate the differentiation and subsequent function of neuronal cells. NDRG4 is expressed as six isoforms (the first three of which are designated NDRG4- BVar, NDRG4-B and NDRG4-H) due to alternative splicing events.

Synonyms:

BDM1, KIAA1180

Product images:


Western blot (WB) analysis of NDRG4 antibody (Cat.-No.: [AP01498PU-N]) in extracts from HepG2 cells.



Immunohistochemistry (IHC) analyzes of NDRG4 antibody (Cat.-No.: [AP01498PU-N]) in paraffin-embedded human heart tissue.