

Product datasheet for **AM31976PU-N**

NDRG4 (1-340) Mouse Monoclonal Antibody [Clone ID: 2G3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2G3
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Immunohistochemistry on Paraffin Sections: 1/100. Western Blot: 1/500 - 1/1000.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	NDRG4 (AAH11795, 1 a.a. ~340 a.a) full length recombinant protein with GST tag
Specificity:	Recognizes NDRG4 at aa 1-340.
Formulation:	PBS, pH 7.2 State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store 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.
Gene Name:	NDRG family member 4
Database Link:	Entrez Gene 234593 Mouse Entrez Gene 65009 Human Q9ULP0



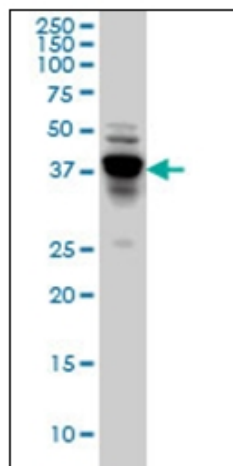
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Background:

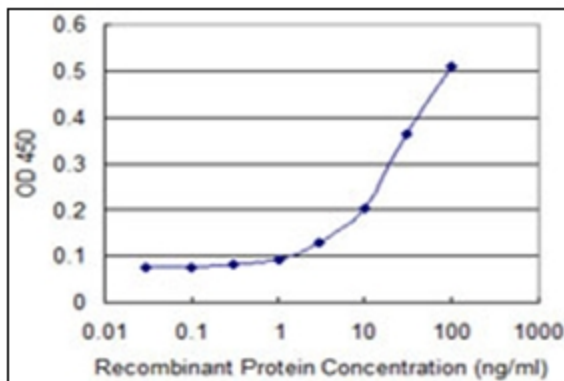
The N-Myc downstream regulated gene (NDRG) family is comprised of four members, namely NDRG1, NDRG2, NDRG3 and NDRG4, all of which share 57-65% homology. NDRG4 (NDRG family member 4), also known as SMAP8 (smooth muscle-associated protein 8) or BDM1 (brain development-related molecule 1), is a 352 amino 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:

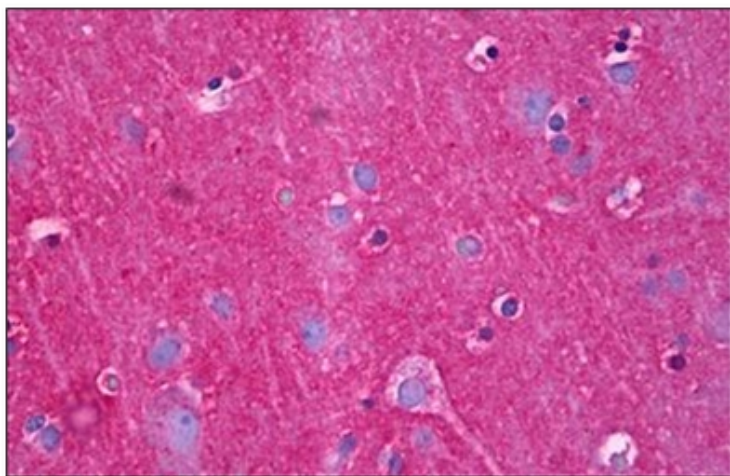
BDM1, KIAA1180

Product images:


Western Blot analysis of NDRG4 expression in Raw 264.7 using Antibody.



Detection limit for recombinant GST tagged NDRG4 is approximately 3ng/ml as a capture antibody.



Human Brain, Cortex Neuropil: Formalin-Fixed, Paraffin-Embedded (FFPE)