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NDRG4 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant NDRG4.
Catalog # AT2994a

Product Information

Application	WB, IHC, E
Primary Accession	Q9ULP0
Other Accession	BC011795
Reactivity	Human, Mouse
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	2G3
Calculated MW	38459

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	NDRG4 (AAH11795.1, 1 a.a. ~ 339 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	NDRG4 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

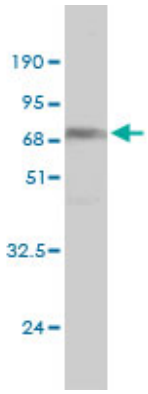
Background

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 muscles 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.

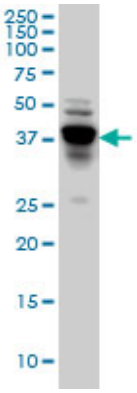
References

1.NDRG4 is Downregulated in Glioblastoma and Inhibits Cell Proliferation.Ding W, Zhang J, Yoon JG, Shi D, Foltz G, Lin B.OMICS. 2012 May;16(5):263-7. Epub 2012 Apr 10.2.N-Myc Downstream-Regulated Gene 4 (NDRG4): A Candidate Tumor Suppressor Gene and Potential Biomarker for Colorectal Cancer.Melotte V, Lentjes MH, van den Bosch SM, Hellebrekers DM, de Hoon JP, Wouters KA, Daenen KL, Partouns-Hendriks IE, Stessels F, Louwagie J, Smits KM, Weijenberg MP, Sanduleanu S, Khalid-de Bakker CA, Oort FA, Meijer GA, Jonkers DM, Herman JG, de Bruine AP,J Natl Cancer Inst. 2009 Jul 1;101(13):916-27. Epub 2009 Jun 17.3.Identification and action of N-myc downstream regulated gene 4 A2 in rat pancreas.Wang JF, Hill DJ.J Endocrinol. 2009 Apr;201(1):15-25. Epub 2009 Feb 4.

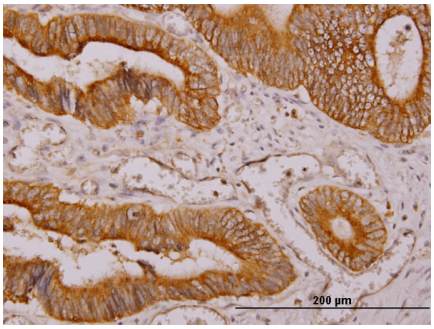
Images



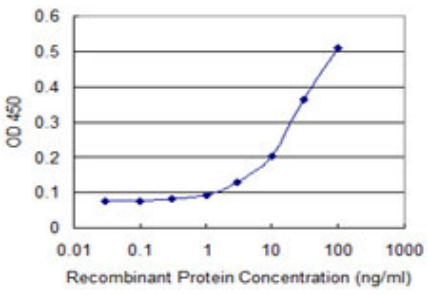
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (63.03 KDa) .



NDRG4 monoclonal antibody (M01), clone 2G3. Western Blot analysis of NDRG4 expression in Raw 264.7.



Immunoperoxidase of monoclonal antibody to NDRG4 on formalin-fixed paraffin-embedded human colon adenocarcinoma. [antibody concentration 3 ug/ml]



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.