

NDRG2 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant NDRG2.

Catalog # AT2992a

Specification

NDRG2 Antibody (monoclonal) (M03) - Product Information

Application	WB, E
Primary Accession	Q9UN36
Other Accession	NM_016250
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	40798

NDRG2 Antibody (monoclonal) (M03) - Additional Information

Gene ID 57447

Other Names

Protein NDRG2, N-myc downstream-regulated gene 2 protein, Protein Syld709613, NDRG2, KIAA1248, SYLD

Target/Specificity

NDRG2 (NP_057334, 1 a.a. ~ 96 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

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.

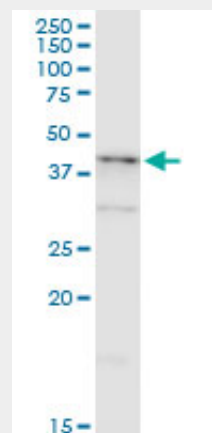
Precautions

NDRG2 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

NDRG2 Antibody (monoclonal) (M03) -



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.3 KDa) .

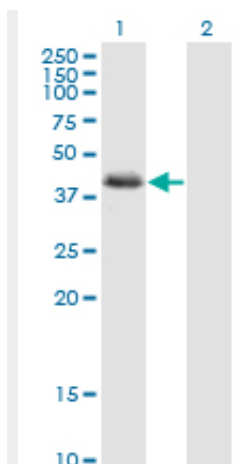


NDRG2 monoclonal antibody (M03), clone 6A5. Western Blot analysis of NDRG2 expression in Hela S3 NE.

Protocols

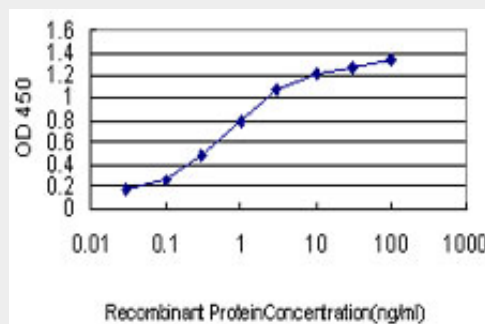
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



Western Blot analysis of NDRG2 expression in transfected 293T cell line by NDRG2 monoclonal antibody (M03), clone 6A5.

Lane 1: NDRG2 transfected lysate (39.7 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged NDRG2 is approximately 0.03 ng/ml as a capture antibody.

NDRG2 Antibody (monoclonal) (M03) - 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 play a role in neurite outgrowth. This gene may be involved in glioblastoma carcinogenesis. 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.

NDRG2 Antibody (monoclonal) (M03) - References

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Wang X, Xia N, Wang D, Liu X, Yao L, Li Y, Dou K. PLoS One. 2011;6(11):e27710. Epub 2011 Nov 16. 11. Regulation of histone acetylation by NDRG2 in glioma cells. Li L, Qin X, Shi M, Miao R, Wang L, Liu X, Yao L, Deng Y. J Neurooncol. 2011 Sep 13. 12. NDRG2 inhibits hepatocellular carcinoma adhesion, migration and invasion by regulating CD24 expression. Zheng J, Li Y, Yang J, Liu Q, Shi M, Zhang R, Shi H, Ren Q, Ma J, Guo H, Tao Y, Xue Y, Jiang N, Yao L, Liu W. BMC Cancer. 2011 Jun 16;11:251. 13. Spatial-temporal expression of NDRG2 in rat brain after focal cerebral ischemia and reperfusion. Li Y, Shen L, Cai L, Wang Q, Hou W, Wang F, Zeng Y, Zhao G, Yao L, Xiong L. Brain Res. 2011 Jan 15. [Epub ahead of print] 14. Variation of NDRG2 and c-Myc expression in rat heart during the acute stage of ischemia/reperfusion injury. Sun Z, Shen L, Sun X, Tong G, Sun D, Han T, Yang G, Zhang J, Cao F, Yao L, Wang H. Histochem Cell Biol. 2011 Jan;135(1):27-35. Epub 2010 Dec 31. 15. NDRG2 is highly expressed in pancreatic beta cells and involved in protection against lipotoxicity. Shen L, Liu X, Hou W, Yang G, Wu Y, Zhang R, Li X, Che H, Lu Z, Zhang Y, Liu X, Yao L. Cell Mol Life Sci. 2010 Feb 3. [Epub ahead of print] 16. Immunohistochemical detection of NdrG2 in the mouse nervous system. Shen L, Zhao ZY, Wang YZ, Ji SP, Liu XP, Liu XW, Che HL, Lin W, Li X, Zhang J, Yao LB. Neuroreport. 2008 Jun 11;19(9):927-31.