Product Datasheet

NDRG4 Antibody (2G3) - Azide and BSA Free
H00065009-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Publications: 9

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
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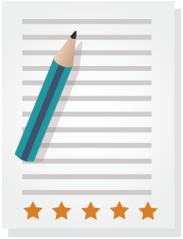
Updated 9/9/2025 v.20.1



H00065009-M01

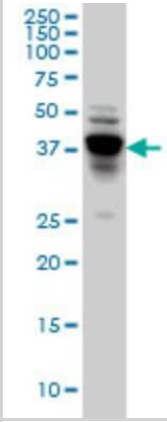
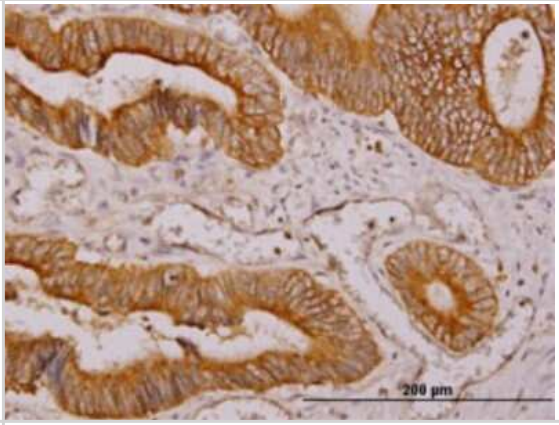
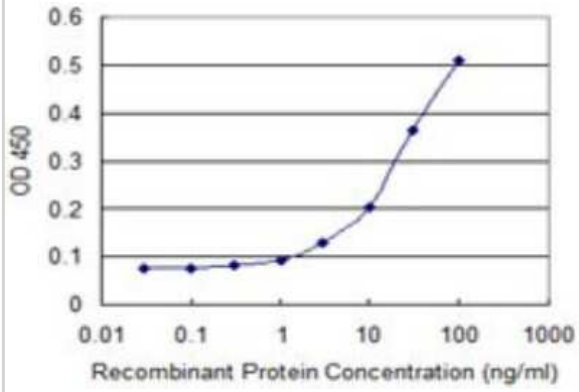
NDRG4 Antibody (2G3) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2G3
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

Product Description	
Description	Novus Biologicals Mouse NDRG4 Antibody (2G3) - Azide and BSA Free (H00065009-M01) is a monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-NDRG4 Antibody: Cited in 9 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	65009
Gene Symbol	NDRG4
Species	Human, Mouse, Rat
Specificity/Sensitivity	NDRG4 - NDRG family member 4
Immunogen	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. MPECWDGEHDIETPYGLLHVVIRGSPKGNRPAILTYHDVGLNHKLCFNTFFNFE DMQEITKHFVVCHVDAPGQQVGASQFPQGYQFPSMEQLAAMLPSVVQHFGF KYVIGIGVGAGAYVLAKFALIFPDLVEGLVLVNIDPNGKGWIDWAATKLSGLTST LPDTVLSHLFSQEELVNNTELVQSYRQQIGNVVNQANLQLFWNMYNSRRDLDI NRPGTVPNAKTLRCPVMLVVGDNAPAEDGVVECNSKLDPTTTTFLKMADSGG LPQVTQPGKLTEAFKYFLQGMGYMPSASMTRLARSRTASLTSASSVDGSRPQ ACTHSESSEGLGQVNHTMEVSC
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	Antibody reactive against cell lysate and recombinant protein for western blot. It has also been used for ELISA and Immunohistochemistry (Paraffin).Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID 17008871)

Images

Western Blot: NDRG4 Antibody (2G3) [H00065009-M01] - NDRG4 monoclonal antibody (M01), clone 2G3. Analysis of NDRG4 expression in Raw 264.7.	
Immunohistochemistry-Paraffin: NDRG4 Antibody (2G3) [H00065009-M01] - Analysis of monoclonal antibody to NDRG4 on formalin-fixed paraffin-embedded human colon adenocarcinoma. Antibody concentration 3 ug/ml.	
ELISA: NDRG4 Antibody (2G3) [H00065009-M01] - Detection limit for recombinant GST tagged NDRG4 is approximately 3ng/ml as a capture antibody.	

Publications

Zhang Z, She J, Yang J et al. NDRG4 in gastric cancer determines tumor cell proliferation and clinical outcome. Mol Carcinog 2018-06-01 [PMID: 29500881] (WB, Human)

Vaes N, Lentjes MHFM, Gijbels MJ et al. NDRG4, an early detection marker for colorectal cancer, is specifically expressed in enteric neurons. Neurogastroenterol Motil 2017-05-19 [PMID: 28524415]

Yang Q, Gu Y, Zhang X et al. Uterine Expression of NDRG4 Is Induced by Estrogen and Up-Regulated during Embryo Implantation Process in Mice. PLoS One 2016-05-13 [PMID: 27175791] (WB)

Chu D, Zhang Z, Zhou Y et al. NDRG4, a novel candidate tumor suppressor, is a predictor of overall survival of colorectal cancer patients. Oncotarget 2015-04-10 [PMID: 25749388] (WB)

Qu X, Li J, Baldwin HS. Postnatal lethality and abnormal development of foregut and spleen in Ndrg4 mutant mice. Biochem. Biophys. Res. Commun. 2016-01-19 [PMID: 26801554] (WB, Mouse)

Ding W, Zhang J, Yoon JG et al. NDRG4 is downregulated in glioblastoma and inhibits cell proliferation. OMICS. 2012-05-01 [PMID: 22489821] (WB, Human)

Benesh EC, Miller PM, Pfaltzgraff ER et al. Bves and NDRG4 regulate directional epicardial cell migration through autocrine extracellular matrix deposition. Mol Biol Cell. 2013-09-18 [PMID: 24048452] (IF/IHC, ICC/IF, Mouse)

Wang JF, Hill DJ. Identification action of N-myc downstream regulated gene 4 A2 in rat pancreas. J Endocrinol 201 (1):15-25. 2009-04-01 [PMID: 19193716]

Melotte V, Lentjes MH, van den Bosch SM et al. N-Myc Downstream-Regulated Gene 4 (NDRG4): A Cidate Tumor Suppressor Gene Potential Biomarker for Colorectal Cancer. J Natl Cancer Inst 101(13):916-27. 2009-07-01 [PMID: 19535783]

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Products Related to H00065009-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00065009-P01-10ug	Recombinant Human NDRG4 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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