Datasheet for ABIN566295

anti-NDRG4 antibody (AA 1-339)

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Overview

Quantity:	100 µg
Target:	NDRG4
Binding Specificity:	AA 1-339
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NDRG4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Mouse monoclonal antibody raised against a full length recombinant NDRG4.
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.
Sequence:	MPECWDGEHD IETPYGLLHV VIRGSPKGNR PAILTYHDVG LNHKLCFNTF FNFEDMQEIT KHFVVCHVDA PGQQVGASQF PQGYQFPSME QLAAMLPSVV QHFGFKYVIG IGVGAGAYVL AKFALIFPDL VEGLVLVNID PNGKGWIDWA ATKLSGLTST LPDTVLSHLF SQEELVNNTE LVQSYRQQIG NVVNQANLQL FWNMYNSRRD LDINRPGTVP NAKTLRCPVM LVVGDNAPAE DGVVECNSKL DPTTTTFLKM ADSGGLPQVT QPGKLTEAFK YFLQGMGYMP SASMTRLARS RTASLTSASS VDGSRPQACT HSESSEGLGQ VNHTMEVSC
Clone:	2G3
Isotype:	IgG1

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Product Details

Cross-Reactivity:	Human, Mouse
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	NDRG4
Alternative Name:	NDRG4 (NDRG4 Products)
Background:	Full Gene Name: NDRG family member 4 Synonyms: DKFZp686I1615,FLJ30586,FLJ42011,KIAA1180,MGC19632,SMAP-8
Gene ID:	65009

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:	Ding, Zhang, Yoon, Shi, Foltz, Lin: "NDRG4 is downregulated in glioblastoma and inhibits cell proliferation." in: **Omics : a journal of integrative biology**, Vol. 16, Issue 5, pp. 263-7, (2012) (PubMed). Wang, Hill: "Identification and action of N-myc downstream regulated gene 4 A2 in rat pancreas. " in: **The Journal of endocrinology**, Vol. 201, Issue 1, pp. 15-25, (2009) (PubMed). Melotte, Lentjes, van den Bosch, Hellebrekers, de Hoon, Wouters, Daenen, Partouns-Hendriks, Stessels, Louwagie, Smits, Weijenberg, Sanduleanu, Khalid-de Bakker, Oort, Meijer, Jonkers, Herman et al.: "N-Myc downstream-regulated gene 4 (NDRG4): a candidate tumor suppressor

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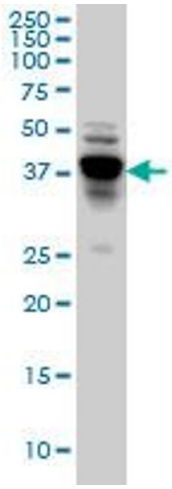
Publications

gene and potential biomarker for colorectal cancer. ..." in: **Journal of the National Cancer Institute**, Vol. 101, Issue 13, pp. 916-27, (2009) (PubMed).

Images

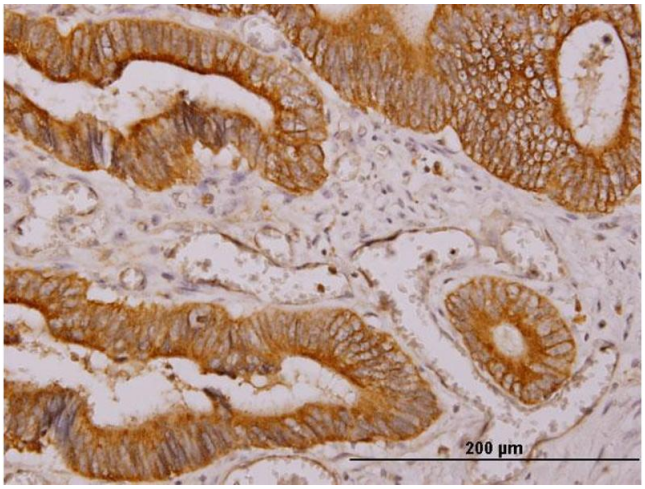


Western Blotting

Image 1. NDRG4 monoclonal antibody (M01), clone 2G3. Western Blot analysis of NDRG4 expression in Raw 264.7.

ELISA

Image 2. Detection limit for recombinant GST tagged NDRG4 is approximately 3ng/ml as a capture antibody.



Immunostaining

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

Please check the product details page for more images. Overall 4 images are available for ABIN566295.