NDRG2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	NDRG2, Monoclonal Antibody
Full Product Name	NDRG2 (NDRG Family Member 2, DKFZp781G1938, FLJ25522, KIAA1248, SYLD) (MaxLight 405)
Product Gene Name	anti-NDRG2 antibody
Product Synonym Names	NDRG Family Member 2; DKFZp781G1938; FLJ25522; KIAA1248; SYLD
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1D12
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified
Specificity	Recognizes NDRG2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	39kDa
OMIM	605272
3D Structure	ModBase 3D Structure for Q9UN36
Immunogen	NDRG2 (NP_057334, 1aa-96aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MAELQEVQITEEKPLLPGQTPEAAKTHSVETPYGSVTFTVYGTPKPKRPAILTYHDVGLNYKSCFQPLFQFEDMQEIIQNFVRVHVDAPGMEEGAP
Conjugate	MaxLight405
Product Categories/Family for anti-NDRG2 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-NDRG2 antibody	FLISA, Western Blot (WB)
Application Notes for anti-NDRG2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-NDRG2 antibody	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. [provided by RefSeq]

Other Notes	Small volumes of anti-NDRG2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NDRG2 purchase	MBS6196859 is an antibody targeting NDRG2. Also known as NDRG2 (NDRG Family Member 2, DKFZp781G1938, FLJ25522, KIAA1248, SYLD) (MaxLight 405). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NDRG2. It may not necessarily be applicable to this product.

NCBI GI #	10280620
NCBI GeneID	57447
NCBI Accession #	NP_057334
UniProt Primary Accession #	Q9UN36
UniProt Related Accession #	Q9UN36
GenBank Nucleotide #	NM_016250
NCBI Official Full Name	protein NDRG2 isoform b
NCBI Official Synonym Full Names	NDRG family member 2
NCBI Official Symbol	NDRG2
NCBI Official Synonym Symbols	SYLD
UniProt Protein Name	Protein NDRG2
UniProt Synonym Protein Names	N-myc downstream-regulated gene 2 protein; Protein Syld709613
Protein Family	Protein
UniProt Gene Name	NDRG2
UniProt Synonym Gene Names	KIAA1248; SYLD
UniProt Entry Name	NDRG2_HUMAN
NCBI Protein Information	protein NDRG2
NCBI Summary for NDRG2	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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2017]
Research Articles on NDRG2	**1.** We observed the knockdown of NDRG2 with miR-28-5p and miR-650 inhibitors inducing CLL cell apoptosis, yet found no increased apoptosis rates in patients with p53 aberrations following transfection with the above miRNAs inhibitors.
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