Mouse NDEL1 Monoclonal Antibody | anti-NDEL1 antibody

NDEL1 antibody

CATALOG #	HOST	APPLICATIONS
AAA107021	**Mouse**	**Western Blot, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

NDEL1; Monoclonal Antibody; NDEL1 antibody; Monoclonal NDEL1; Anti-NDEL1; NudE nuclear distribution gene E homolog; NUDEL; MITAP1; Mitosin-associated protein 1; Protein Nudel; EOPA; NDEL 1; NDEL-1; anti-NDEL1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	1G10
Purity/Purification	NDEL1 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	328
Applicable Applications for anti-NDEL1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry)
Biological Significance	NDEL1 a thiol-activated peptidase that is phosphorylated in M phase of the cell cycle. Phosphorylation regulates the cell cycle-dependent distribution of this protein, with a fraction of the protein bound strongly tocentrosomes in interphase and localized to mitotic spindles in early M phase. Overall, this protein plays a role in nervous system development.
Cross-Reactivity	Human, Dog, Rat, Monkey
Immunogen	NDEL1 antibody was raised in mouse using a full length recombinant protein of human NDEL1 (NP_001020750) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant NDEL1 protein (Right) or empty vector (Left) detected with NDEL1 antibody

FCM/FACS (Flow Cytometry)
Flow Cytometric analysis of HEK293T cells transfected with either recombinant NDEL1 protein (red) or empty vector (blue) stained using NDEL1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-NDEL1 antibody	Mouse monoclonal NDEL1 antibody

Product Categories/Family for anti-NDEL1 antibody	Differentiation & Development

NCBI AND UNIPROT INFORMATION

NCBI GI #	71284108
NCBI GeneID	81565
NCBI Accession #	NP_001020750
NCBI GenBank Nucleotide #	NM_001025579.2
UniProt Accession #	Q9GZM8; Q86T80; Q8TAR7; Q9UH50; B3KP93; D3DTS0; J3QT32
Molecular Weight	37,039 Da
NCBI Official Full Name	nuclear distribution protein nudE-like 1 isoform A
NCBI Official Synonym Full Names	nudE neurodevelopment protein 1-like 1
NCBI Official Symbol	NDEL1
NCBI Official Synonym Symbols	EOPA; NDE2; NUDEL; MITAP1; NDE1L1
NCBI Protein Information	nuclear distribution protein nudE-like 1
UniProt Protein Name	Nuclear distribution protein nudE-like 1
UniProt Gene Name	**NDEL1**
UniProt Synonym Gene Names	EOPA; MITAP1; NUDEL; Protein Nudel
UniProt Entry Name	NDEL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/ndel1-antibody-clone-1g10-western-blot-flow-cytometry-elisa/107021