

Product datasheet for **TA503058**

Nudel (NDEL1) Mouse Monoclonal Antibody [Clone ID: OTI1G10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1G10
Applications:	FC, WB
Recommended Dilution:	WB 1:500~2000, FLOW 1:100
Reactivity:	Human, Dog, Rat, Monkey, Mouse
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human NDEL1 (NP_001020750) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.32 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	36.9 kDa
Gene Name:	nudE neurodevelopment protein 1 like 1
Database Link:	NP_001020750 Entrez Gene 83431 Mouse Entrez Gene 170845 Rat Entrez Gene 489495 Dog Entrez Gene 721973 Monkey Entrez Gene 81565 Human Q9GZM8



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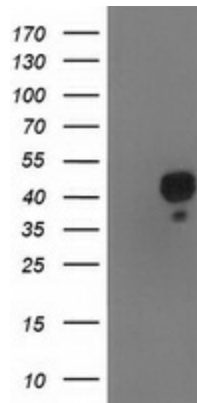
Background:

This gene encodes 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 to centrosomes in interphase and localized to mitotic spindles in early M phase. Overall, this protein plays a role in nervous system development. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]

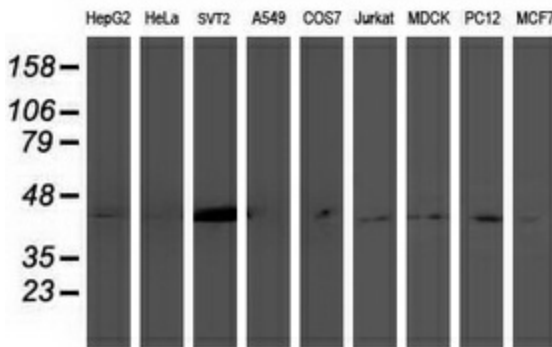
Synonyms:

EOPA; MITAP1; NDE1L1; NDE2; NUDEL

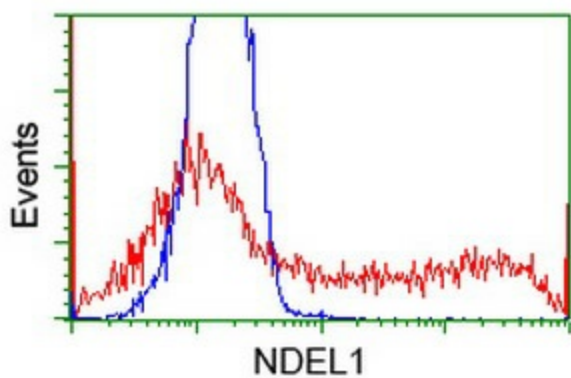
Product images:



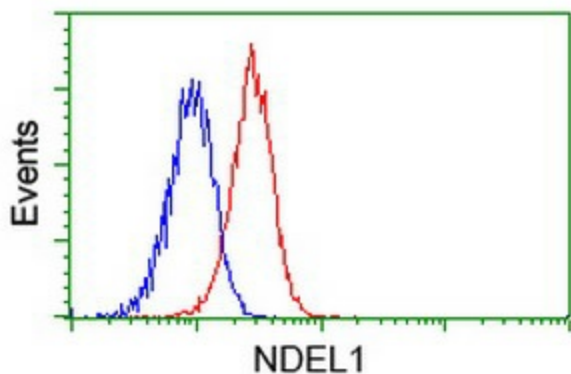
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NDEL1 ([RC212323], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NDEL1. Positive lysates [LY422448] (100ug) and [LC422448] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-NDEL1 monoclonal antibody.



HEK293T cells transfected with either [RC212323] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-NDEL1 antibody (TA503058), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-NDEL1 antibody (TA503058), (Red), compared to a nonspecific negative control antibody, (Blue).