

# NEDD1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58762

## Product Information

---

<b>Application</b>	WB, IHC-P, IHC-F, IF, E
<b>Primary Accession</b>	<a href="#">Q8NHV4</a>
<b>Reactivity</b>	Rat, Dog, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	71966
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human NEDD1
<b>Epitope Specificity</b>	251-350/660
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Cytoplasm, cytoskeleton, centrosome.
<b>SIMILARITY</b>	Contains 8 WD repeats.
<b>SUBUNIT</b>	Interacts with FAM29A and gamma-tubulin.
<b>Post-translational modifications</b>	During mitosis, prior phosphorylation on Thr-550 by CDK1 promotes subsequent phosphorylation by PLK1 on Thr-382, Ser-397, Ser-426 and Ser-637. Phosphorylated NEDD1 can interact with gamma-tubulin for targeting the gamma-tubulin ring complex (gTuRC) to the centrosome, an important step for spindle formation.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	May play an important role during the embryonic development and differentiation of the central nervous system. Human NEDD1 localises to the centrosome and mitotic spindle. It binds to the components of the gamma-tubulin ring complex and target this complex to the centrosome and spindle.

## Additional Information

---

<b>Gene ID</b>	121441
<b>Other Names</b>	Protein NEDD1, Neural precursor cell expressed developmentally down-regulated protein 1, NEDD-1, NEDD1
<b>Dilution</b>	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, ELISA=1:5000-10000
<b>Format</b>	0.01M TBS (pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## Protein Information

---

<b>Name</b>	NEDD1
<b>Function</b>	Required for mitosis progression. Promotes the nucleation of microtubules from the spindle.
<b>Cellular Location</b>	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.