

ARG55482 anti-NEDD1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NEDD1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NEDD1
Species	Human
Immunogen	Recombinant protein of Human NEDD1
Conjugation	Un-conjugated
Alternate Names	GCP-WD; Protein NEDD1; NEDD-1; Neural precursor cell expressed developmentally down-regulated protein 1; TUBGCP7

Application Instructions

Predict Reactivity Note	Human						
Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>ICC/IF</td><td>1:50 - 1:200</td></tr> <tr> <td>WB</td><td>1:500-1:2000</td></tr> </table>	Application	Dilution	ICC/IF	1:50 - 1:200	WB	1:500-1:2000
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WB	1:500-1:2000						
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.						
Positive Control	Rat brain						

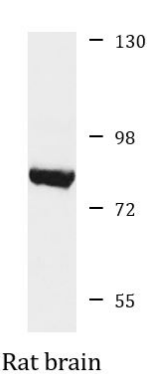
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 121441 Human GeneID: 17997 Mouse Swiss-port # P33215 Mouse Swiss-port # Q8NHV4 Human
Gene Symbol	NEDD1
Gene Full Name	neural precursor cell expressed, developmentally down-regulated 1
Function	Required for mitosis progression. Promotes the nucleation of microtubules from the spindle. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Developmental Biology antibody; Gene Regulation antibody
Calculated Mw	72 kDa
PTM	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.

Images



ARG55482 anti-NEDD1 antibody WB image

Western blot: Rat brain lysate stained with ARG55482 anti-NEDD1 antibody.