

NEDD8 Conjugated Antibody

Catalog No: #C49398



Package Size: #C49398-AF350 100ul #C49398-AF405 100ul #C49398-AF488 100ul
 #C49398-AF555 100ul #C49398-AF594 100ul #C49398-AF647 100ul
 #C49398-AF680 100ul #C49398-AF750 100ul #C49398-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	NEDD8 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	FLJ43224 antibody MGC104393 antibody MGC125896 antibody MGC125897 antibody NED8 antibody NEDD8 antibody NEDD-8 antibody Nedd8 antibody NEDD8_HUMAN antibody Neddylin antibody Neural precursor cell expressed developmentally down regulated 8 antibody Neural precursor cell expressed developmentally down regulated gene 8 antibody Neural precursor cell expressed developmentally down-regulated protein 8 antibody Rub1 antibody Ubiquitin like protein Nedd 8 antibody Ubiquitin like protein Nedd8 antibody Ubiquitin-like protein Nedd8 antibody
Accession No.	Swiss-Prot#:Q07954
Uniprot	Q07954
GeneID	4035;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	9 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

NEDD8 is a ubiquitin (Ub)-like molecule that shares 80% homology with ubiquitin, a protein known to modify and target various proteins for proteolytic degradation. NEDD8 and the corresponding yeast homolog Rub1 are activated by the E1 ubiquitin activating enzyme UBA2, which forms isopeptide linkages between thio esters. Similar to the Ub-mediated proteolytic pathway, NEDD8 is covalently coupled to an E3 Ub ligase by the E2 conjugating enzyme, Ubc12. NEDD8 preferentially associates with the CUL-2 protein in the E3 ligase complex CBCVHL, which consists of cullin proteins associating with elongin B/C and the tumor suppressor F-box protein, von Hippel Lindau (VHL). NEDD8 is predominantly localized to the nucleus and is highly expressed in adult heart and skeletal muscle. In vitro studies indicate that NEDD8 tetramers are also able to bind to the 26S Proteasome, and that they assemble into complexes with conserved Ub-like moieties, suggesting that NEDD8 may regulate proteolysis of intracellular proteins similar to other Ub-mediated pathways.

Note: This product is for in vitro research use only