

NEDD4 Antibody FITC Conjugated

Catalog No: #C07082F

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Description

Product Name	NEDD4 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 861-890 1319 derived from human NEDD4
Conjugates	FITC
Target Name	NEDD4
Other Names	RPF1; NEDD4-1; E3 ubiquitin-protein ligase NEDD4; Cell proliferation-inducing gene 53 protein; Neural precursor cell expressed developmentally down-regulated protein 4; NEDD-4; NEDD4; KIAA0093; PIG53
Accession No.	Swiss-Prot#P46934NCBI Gene ID4734
Uniprot	P46934
GeneID	4734;
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

ICC=1:50-200 IF=1:50-200

Background

E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Involved in the pathway leading to the degradation of VEGFR-2 KDFR, independently of its ubiquitin-ligase activity. Monoubiquitinates IGF1R at multiple sites, thus leading to receptor internalization and degradation in lysosomes. Ubiquitinates FGFR1, leading to receptor internalization and degradation in lysosomes. Promotes ubiquitination of RAPGEF2. According to PubMed:18562292 the direct link between NEDD4 and PTEN regulation through polyubiquitination described in PubMed:17218260 is questionable. Involved in ubiquitination of ERBB4 intracellular domain E4ICD. Involved in the budding of many viruses. Part of a signaling complex composed of NEDD4, RAP2A and TNIK which regulates neuronal dendrite extension and arborization during development. Ubiquitinates TNK2 and regulates EGF-induced degradation of EGFR and TNF2. Involved in the ubiquitination of ebola virus VP40 protein and this ubiquitination plays a role in facilitating viral budding.

Note: This product is for in vitro research use only