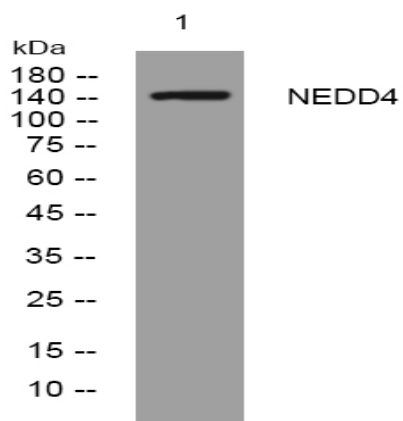


NEDD4 rabbit pAb

Catalog No :	YT6927
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	NEDD4
Fields :	>>Ubiquitin mediated proteolysis;>>Endocytosis;>>Tight junction;>>Epstein-Barr virus infection
Gene Name :	NEDD4 KIAA0093 NEDD4-1 PIG53
Protein Name :	NEDD4
Human Gene Id :	4734
Human Swiss Prot No :	P46934
Mouse Gene Id :	17999
Mouse Swiss Prot No :	P46935
Rat Gene Id :	25489
Rat Swiss Prot No :	Q62940
Immunogen :	Synthesized peptide derived from human NEDD4 AA range: 80-130
Specificity :	This antibody detects endogenous levels of NEDD4 at Human/Mouse/Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	145kD
Background :	This gene is the founding member of the NEDD4 family of HECT ubiquitin ligases that function in the ubiquitin proteasome system of protein degradation. The encoded protein contains an N-terminal calcium and phospholipid binding C2 domain followed by multiple tryptophan-rich WW domains and, a C-terminal HECT ubiquitin ligase catalytic domain. It plays critical role in the regulation of a number of membrane receptors, endocytic machinery components and the tumor suppressor PTEN. [provided by RefSeq, Jul 2016],
Function :	domain:The WW domains mediate interaction with LITAF, RNF11, WBP1, WBP2, TMEPAI, NDFIP1 and PRRG2.,function: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 (By similarity). Involved in the budding of many viruses.,miscellaneous:A cysteine residue is required for ubiquitin-thioester formation.,pathway:Protein modification; protein ubiquitination.,similarity:Contains 1 C2 domain.,similarity:Contains 1 HECT (E6AP-type E3 ubiquitin-protein ligase) domain.,similarity:Contains 4 WW domains.,subunit:Interacts with UBE2D2. Binds SCNN1A, SCNN1B and SCNN1G. Binds, in vitro, through the WW2 and WW3 domains, to neural isoforms of ENAH that contain the PPSY motif. Interacts with LITAF, RNF11, WBP1, WBP2, TMEPAI, NDFIP1 and PRRG2 (By similarity). Interacts with viral
Subcellular Location :	Cytoplasm . Cell membrane ; Peripheral membrane protein . Recruited to the plasma membrane by GRB10. Once complexed with GRB10 and IGF1R, follows IGF1R internalization, remaining associated with early endosomes. Uncouples from IGF1R-containing endosomes before the sorting of the receptor to the lysosomal compartment (By similarity). May be recruited to exosomes by NDFIP1.

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Western blot analysis of lysates from CACO2 cells, primary antibody was diluted at 1:1000, 4° over night