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# Datasheet for ABIN872620 anti-NEDD4 antibody (AA 801-900)

2 Images



#### Overview

Quantity:	100 µL
Target:	NEDD4
Binding Specificity:	AA 801-900
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NEDD4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

# Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NEDD4
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.
Target Details	

## Target Details

#### Target:

## NEDD4

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Target Details	
Alternative Name:	NEDD4 (NEDD4 Products)
Background:	Synonyms: 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
	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.
Gene ID:	4734
UniProt:	P46934
Pathways:	Notch Signaling, Intracellular Steroid Hormone Receptor Signaling Pathway, Skeletal Muscle
	Fiber Development, Signaling Events mediated by VEGFR1 and VEGFR2

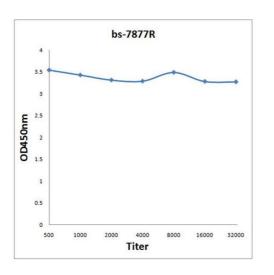
# Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500
Restrictions:	For Research Use only

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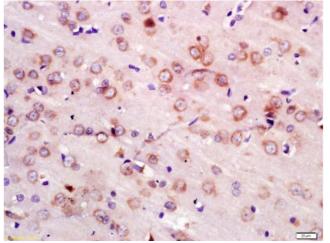
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

### Images



## ELISA

**Image 1.** Antigen: 0.2 µg/100 µL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat Anti-Rabbit IgG at 1: 5000; TMB staining; Read the data in MicroplateReader by 450nm.



#### Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded rat brain labeled with Anti-NEDD4 Polyclonal Antibody, Unconjugated (ABIN872620) at 1:200 followed by conjugation to the secondary antibody and DAB staining