

**DATASHEET**

**NEDD4 Rabbit Monoclonal Antibody(C3219)**

CAT. NO. AMA02831

**KEY FEATURES**

Target	NEDD4	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Monoclonal
Applications	WB, IP	Conjugation	Unconjugated
Form / Buffer	Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.	Storage	at-20°C

**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. Specifically ubiquitinates 'Lys-63' in target proteins . 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.

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IP	1:10 - 1:50

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

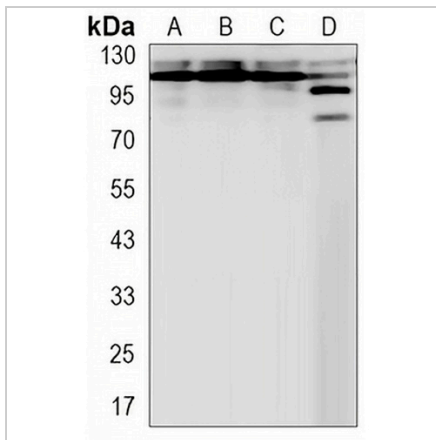
Description	Rabbit monoclonal antibody to NEDD4
Specificity	Recognizes endogenous levels of NEDD4 protein.
Antibody Type	Primary antibody
Immunogen	A synthetic peptide of human NEDD4
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 149 kD; Observed: 115 kD
Form/Buffer	Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.
Alternative Names	KIAA0093; NEDD4-1; E3 ubiquitin-protein ligase NEDD4; Cell proliferation-inducing gene 53 protein; Neural precursor cell expressed developmentally down-regulated protein 4; NEDD-4
Gene Symbol	NEDD4
Entrez Gene	4734(Human); 17999(Mouse); 25489(Rat)
SwissProt	P46934(Human); P46935(Mouse); Q62940(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET****NEDD4 Rabbit Monoclonal Antibody(C3219)**

CAT. NO. AMA02831

**DATA**

Western blot analysis of NEDD4 expression in K562 (A), HCT116 (B), NIH3T3 (C), C6 (D) whole cell lysates. (Predicted band size: 149 kD; Observed band size: 115 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.