

Rabbit NUB1 Polyclonal Antibody | anti-NUB1 antibody

Anti-NUB1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19859	Rabbit	Human, Monkey, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

NUB1; Polyclonal Antibody; Anti-NUB1 Antibody Picoband; MORC family CW-type zinc finger protein 3; NOVA alternative splicing regulator 1 ; RNA-binding protein Nova-1; Neuro-oncological ventral antigen 1; Onconeural ventral antigen 1; Paraneoplastic Ri antigen; Ventral neuron-specific protein 1; NOVA1; anti-NUB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in heart, placenta, skeletal muscle, brain, pancreas, lung, liver, but not kidney.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-NUB1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.1-0.25ug/ml, Human, Mouse, Rat, Monkey IHC: 2-5ug/ml, Human ICC/IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human NUB1 recombinant protein (Position: K190-D543).
Subcellular Localization	Nucleus
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	May regulate RNA splicing or metabolism in a specific subset of developing neurons.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM (Flow Cytometry)

Figure 6. Flow Cytometry analysis of K562 cells using anti-NUB1 antibody (AAA19859). Overlay histogram showing K562 cells stained with AAA19859 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-NUB1 Antibody (AAA19859, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 5. IF analysis of NUB1 using anti-NUB1 antibody (AAA19859) and anti-Beta Tubulin antibody (M01857-3). NUB1 was detected in immunocytochemical section of HELA cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-NUB1 Antibody (AAA19859) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-NUB1 Antibody (AAA19859) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-NUB1 Antibody (AAA19859) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Lane 2: human Colo320 whole cell lysates, Lane 3: human HepG2 whole cell lysates, Lane 4: human K562 whole cell lysates, Lane 5: human Raji whole cell lysates, Lane 6: monkey COS-7 whole cell lysates, Lane 8: human MCF-7 whole cell lysates, Lane 9: human A549 whole cell lysates, Lane 10: rat liver tissue lysates, Lane 11: rat PC-12 whole cell lysates, Lane 12: mouse NIH/3T3 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NUB1 antigen affinity purified polyclonal antibody (#AAA19859) at 0.25ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for NUB1 at approximately 75 kDa. The expected band size for NUB1 is at 71 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NUB1 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-NUB1 antibody	Primary Antibodies; Cell Type Marker; Neuron Marker; Neuroscience
References	1. Akey, D. T., Zhu, X., Dyer, M., Li, A., Sorensen, A., Blackshaw, S., Fukuda-Kamitani, T., Daiger, S. P., Craft, C. M., Kamitani, T., Sohocki, M. M. The inherited blindness associated protein AIPL1 interacts with the cell cycle regulator protein NUB1. Hum. Molec. Genet. 11: 2723-2733, 2002. Note: Erratum: Hum. Molec. Genet. 12: 451 only, 2003.2. Kito, K., Yeh, E. T. H., Kamitani, T. NUB1, a NEDD8-interacting protein, is induced by interferon and down-regulates the NEDD8 expression. J. Biol. Chem. 276: 20603-20609, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	343403794
NCBI GeneID	51667
NCBI Accession #	NP_001230280.1
NCBI GenBank Nucleotide #	NM_001243351.1
UniProt Accession #	Q9Y5A7; O95422; Q75MR9; Q8IX22; Q9BXR2
Molecular Weight	70,538 Da
NCBI Official Full Name	NEDD8 ultimate buster 1 isoform 1

NCBI Official Synonym Full Names	negative regulator of ubiquitin-like proteins 1
NCBI Official Symbol	NUB1
NCBI Official Synonym Symbols	BS4; NUB1L; NYREN18
NCBI Protein Information	NEDD8 ultimate buster 1; NEDD8 ultimate buster-1; renal carcinoma antigen NY-REN-18
UniProt Protein Name	NEDD8 ultimate buster 1
UniProt Gene Name	NUB1
UniProt Synonym Gene Names	NYREN18
UniProt Entry Name	NUB1_HUMAN

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nub1-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/19859>