

Rabbit NUDCD1 Polyclonal Antibody | anti-NUDCD1 antibody

Anti-NUDCD1 Antibody Picoband

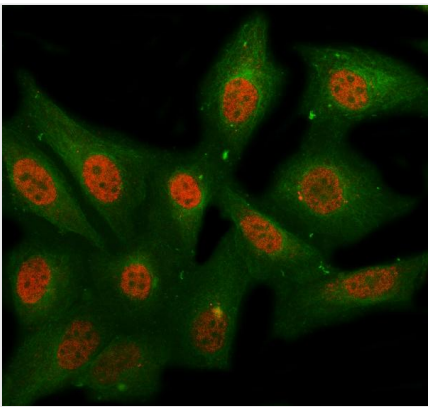
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127674	Rabbit	Human, Mouse, Rat	ELISA, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NUDCD1; Polyclonal Antibody; Anti-NUDCD1 Antibody Picoband; Aquaporin-6; NOVA alternative splicing regulator 2; RNA-binding protein Nova-2; Astrocytic NOVA1-like RNA-binding protein; Neuro-oncological ventral antigen 2; NOVA2; ANOVA; NOVA3; anti-NUDCD1 antibody

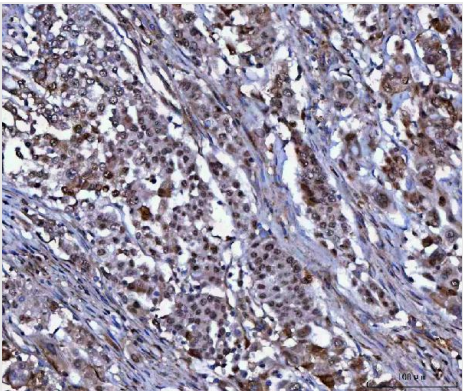
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Brain. Expression restricted to astrocytes.
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-NUDCD1 antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived human NUDCD1 recombinant protein (Position: Q72-K578).
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. Binds single strand RNA.
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.



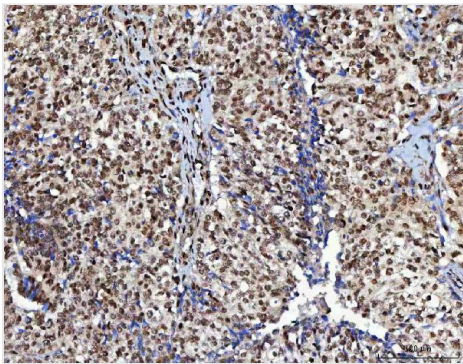
IF (Immunofluorescence)

Figure 4. IF analysis of NUDCD1 using anti-NUDCD1 antibody (AAA127674) and anti-Beta Tubulin antibody (M01857-3).NUDCD1 was detected in immunocytochemical section of HELA cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-NUDCD1 Antibody (AAA127674) and mouse anti-Beta Tubulin antibody (M01857-3) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) and DyLight488 Conjugated Goat Anti-Mouse IgG (BA1126) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



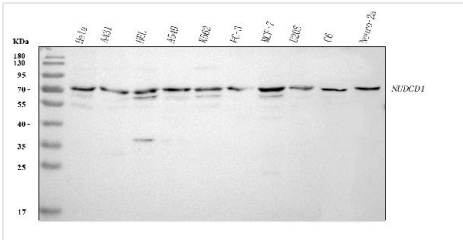
IHC (Immunohistochemistry)

Figure 2. IHC analysis of NUDCD1 using anti-NUDCD1 antibody (AAA127674).NUDCD1 was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-NUDCD1 Antibody (AAA127674) 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 with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of NUDCD1 using anti-NUDCD1 antibody (AAA127674).NUDCD1 was detected in a paraffin-embedded section of human ovarian cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-NUDCD1 Antibody (AAA127674) 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 with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of NUDCD1 using anti-NUDCD1 antibody (AAA127674).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Hela whole cell lysates,Lane 2: human K562 whole cell lysates,Lane 3: human HEL whole cell lysates,Lane 4: human A549 whole cell lysates,Lane 5: human K562 whole cell lysates,Lane 6: human PC-3 whole cell lysates,Lane 7: human MCF-7 whole cell lysates,Lane 8: human U20S whole cell lysates,Lane 9: rat C6 whole cell lysates,Lane 10: monkey COS-7 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-NUDCD1 antigen affinity purified polyclonal antibody (#AAA127674) at 0.5ug/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 NUDCD1 at approximately 67 kDa. The expected band size for NUDCD1 is at 67 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NUDCD1 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-NUDCD1 antibody	Primary Antibodies; Channels; Metabolism; Plasma Membrane; Signal Transduction
References	1. Yang, X.-F., Wu, C. J., McLaughlin, S., Chillemi, A., Wang, K. S., Canning, C., Alyea, E. P., Kantoff, P., Soiffer, R. J., Dranoff, G., Ritz, J. CML66, a broadly immunogenic tumor antigen, elicits a humoral immune response associated with remission of chronic myelogenous leukemia. Proc. Nat. Acad. Sci. 98: 7492-7497, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	189571679
NCBI GeneID	84955
NCBI Accession #	NP_001121683
NCBI GenBank Nucleotide #	NM_001128211
UniProt Accession #	Q96RS6; Q4G130; Q8NDQ5; Q8NG18; Q96SI4; Q9BVR5; B4DVX6
Molecular Weight	56,614 Da
NCBI Official Full Name	nudC domain-containing protein 1 isoform 2
NCBI Official Synonym Full Names	NudC domain containing 1
NCBI Official Symbol	NUDCD1
NCBI Official Synonym Symbols	CML66; OVA66
NCBI Protein Information	nudC domain-containing protein 1; NUDCD1; chronic myelogenous leukemia tumor antigen 66; tumor antigen CML66
UniProt Protein Name	NudC domain-containing protein 1
UniProt Gene Name	NUDCD1
UniProt Entry Name	NUDC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/nudcd1-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/127674>