

Rabbit anti-Human, Mouse NUBPL Polyclonal Antibody | anti-NUBPL antibody

Anti-NUBPL Antibody Picoband

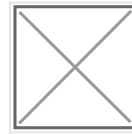
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19948	Rabbit	Human, Mouse	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

NUBPL; Polyclonal Antibody; Anti-NUBPL 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-NUBPL antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
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-NUBPL antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5ug/ml, Human, Mouse 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 NUBPL recombinant protein (Position: K59-E319).
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 5. IF analysis of NUBPL using anti-NUBPL antibody (AAA19948). NUBPL was detected in an immunocytochemical section of HELA cells. 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-NUBPL Antibody (AAA19948) 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-NUBPL Antibody (AAA19948) 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-NUBPL Antibody (AAA19948) 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-NUBPL Antibody (AAA19948) 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 T-47D whole cell lysates,Lane 3: human HepG2 whole cell lysates,Lane 4: human A431 whole cell lysates,Lane 5: human Colo320 whole cell lysates,Lane 6: human MCF-7 whole cell lysates,Lane 7: mouse liver tissue lysates,Lane 8: mouse kidney tissue 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-NUBPL antigen affinity purified polyclonal antibody (#AAA19948) 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 NUBPL at approximately 34 kDa. The expected band size for NUBPL is at 34 kDa.

Related Product Information for anti-NUBPL 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-NUBPL antibody	Primary Antibodies ; Channels ; Metabolism ; Plasma Membrane ; Signal Transduction
References	1. Calvo, S. E., Tucker, E. J., Compton, A. G., Kirby, D. M., Crawford, G., Burt, N. P., Rivas, M., Guiducci, C., Bruno, D. L., Goldberger, O. A., Redman, M. C., Wiltshire, E., Wilson, C. J., Altshuler, D., Gabriel, S. B., Daly, M. J., Thorburn, D. R., Mootha, V. K. High-throughput, pooled sequencing identifies mutations in NUBPL and FOXRED1 in human complex I deficiency. <i>Nature Genet.</i> 42: 851-858, 2010. 2. Dickinson, M. E., Flenniken, A. M., Ji, X., Teboul, L., Wong, M. D., White, J. K., Meehan, T. F., Weninger, W. J., Westerberg, H., Adissu, H., Baker, C. N., Bower, L., and 73 others. High-throughput discovery of novel developmental phenotypes. <i>Nature</i> 537: 508-514, 2016. Note: Erratum: <i>Nature</i> 551: 398 only, 2017. 3. Friederich, M. W., Perez, F. A., Knight, K. M., Van Hove, R. A., Yang, S. P., Saneto, R. P., Van Hove, J. L. K. Pathogenic variants in NUBPL result in failure to assemble the matrix arm of complex I and cause a complex leukoencephalopathy with thalamic involvement. <i>Molec. Genet. Metab.</i> 129: 236-242, 2020.

NCBI GI #	157384956
NCBI GeneID	80224
NCBI Accession #	NP_079428
NCBI GenBank Nucleotide #	NM_025152.2
UniProt Accession #	Q8TB37; Q86TZ4; Q9H9M2; B4DHZ1

Molecular Weight	18,209 Da
NCBI Official Full Name	iron-sulfur protein NUBPL isoform 1
NCBI Official Synonym Full Names	nucleotide binding protein-like
NCBI Official Symbol	NUBPL
NCBI Official Synonym Symbols	IND1; huInd1; C14orf127
NCBI Protein Information	iron-sulfur protein NUBPL
UniProt Protein Name	Iron-sulfur protein NUBPL
UniProt Gene Name	NUBPL
UniProt Synonym Gene Names	C14orf127
UniProt Entry Name	NUBPL_HUMAN

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nubpl-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/19948>