

Rabbit NXPH3 Polyclonal Antibody | anti-NXPH3 antibody

Anti-NXPH3 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19996	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

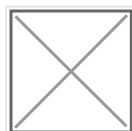
PRODUCT SYNONYMS

NXPH3; Polyclonal Antibody; Anti-NXPH3 Antibody Picoband; anti-NXPH3 antibody

PRODUCT SPECIFICATIONS

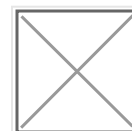
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-NXPH3 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5ug/ml, Human IHC: 2-5ug/ml, Mouse, Rat 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 NXPH3 recombinant protein (Position: R5-K217). Human NXPH3 shares 95.8% amino acid (aa) sequence identity with mouse and rat NXPH3, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
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.

IMAGES



FCM (Flow Cytometry)

Figure 8. Flow Cytometry analysis of K562 cells using anti-NXPH3 antibody (AAA19996).Overlay histogram showing K562 cells stained with AAA19996 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-NXPH3 Antibody (AAA19996, 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.



FCM (Flow Cytometry)

Figure 7. Flow Cytometry analysis of HepG2 cells using anti-NXPH3 antibody (AAA19996).Overlay histogram showing HepG2 cells stained with AAA19996 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-NXPH3 Antibody (AAA19996, 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 6. IF analysis of NXP3 using anti-NXP3 antibody (AAA19996) and anti-Beta Tubulin antibody (M01857-3).NXP3 was detected in immunocytochemical section of U2OS 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-NXP3 Antibody (AAA19996) 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-NXP3 Antibody (AAA19996) 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-NXP3 Antibody (AAA19996) 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-NXP3 Antibody (AAA19996) 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 MCF-7 whole cell lysates,Lane 3: human HepG2 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-NXP3 antigen affinity purified polyclonal antibody (#AAA19996) 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 NXP3 at approximately 28 kDa. The expected band size for NXP3 is at 28 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NXP3 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-NXP3 antibody	Primary Antibodies
References	1. Gross, M. B. Personal Communication. Baltimore, Md. 10/24/2014.2. Missler, M., Sudhof, T. C. Neurexophilins form a conserved family of neuropeptide-like glycoproteins. J. Neurosci. 18: 3630-3638, 1998. 3. Petrenko, A. G., Ullrich, B., Missler, M., Krasnoperov, V., Rosahl, T. W., Sudhof, T. C. Structure and evolution of neurexophilin. J. Neurosci. 16: 4360-4369, 1996.

NCBI AND UNIPROT INFORMATION

NCBI GI #	217330576
NCBI GeneID	11248
NCBI Accession #	NP_009156.2
NCBI GenBank Nucleotide #	NM_007225.2
UniProt Accession #	O95157; Q8NDC3; Q8TBF6; Q9ULR1
Molecular Weight	28,127 Da
NCBI Official Full Name	neurexophilin-3
NCBI Official Synonym Full Names	neurexophilin 3

NCBI Official Symbol	NXPH3
NCBI Official Synonym Symbols	NPH3
NCBI Protein Information	neurexophilin-3
UniProt Protein Name	Neurexophilin-3
UniProt Gene Name	NXPH3
UniProt Synonym Gene Names	KIAA1159; NPH3
UniProt Entry Name	NXPH3_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://stage.aaabiotech.com/polyclonal/nxph3-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/19996>