

Rabbit anti-Human, Rat NTN3 Polyclonal Antibody | anti-NTN3 antibody

Anti-NTN3 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127912	Rabbit	Human, Rat	ELISA, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NTN3; Polyclonal Antibody; Anti-NTN3 Antibody Picoband; Transmembrane protein 240; pyridine nucleotide-disulphide oxidoreductase domain 1; Pyridine nucleotide-disulfide oxidoreductase domain-containing protein 1; PYROXD1; anti-NTN3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Detected in liver, skeletal muscle, kidney, pancreas, spleen, thyroid, testis, ovary, small intestine and colon.
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-NTN3 antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived human NTN3 recombinant protein (Position: R51-R473).
Subcellular Localization	Nucleus, Sarcomere
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	Involved in cellular response to oxidative stress.
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



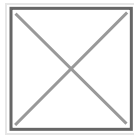
IF (Immunofluorescence)

Figure 3. IF analysis of NTN3 using anti-NTN3 antibody (AAA127912). NTN3 was detected in an immunocytochemical section of HELA cells. 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-NTN3 Antibody (AAA127912) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of NTN3 using anti-NTN3 antibody (AAA127912). NTN3 was detected in a paraffin-embedded section of human colorectal adenocarcinoma 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-NTN3 Antibody (AAA127912) 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 NTN3 using anti-NTN3 antibody (AAA127912). 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 RT4 whole cell lysates, Lane 2: human U251 whole cell lysates, Lane 3: human SH-SY5Y whole cell lysates, Lane 4: human Hela whole cell lysates, Lane 5: rat liver 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-NTN3 antigen affinity purified polyclonal antibody (#AAA127912) 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 NTN3 at approximately 70 kDa. The expected band size for NTN3 is at 70 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NTN3 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-NTN3 antibody	Primary Antibodies; Cell Biology
References	1. Van Raay, T. J., Foscett, S. M., Connors, T. D., Klinger, K. W., Landes, G. M., Burn, T. C. The NTN2L gene encoding a novel human netrin maps to the autosomal dominant polycystic kidney disease region on chromosome 16p13.3. Genomics 41: 279-282, 1997.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453810
NCBI GeneID	4917
NCBI Accession #	NP_006172.1
NCBI GenBank Nucleotide #	NM_006181.2
UniProt Accession #	O00634
Molecular Weight	61,466 Da
NCBI Official Full Name	netrin-3
NCBI Official Synonym Full Names	netrin 3
NCBI Official Symbol	NTN3
NCBI Official Synonym Symbols	NTN2L
NCBI Protein Information	netrin-3; netrin-2-like protein; Netrin-2, chicken, homolog of, like
UniProt Protein Name	Netrin-3
UniProt Gene Name	NTN3
UniProt Synonym Gene Names	NTN2L
UniProt Entry Name	NET3_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.

