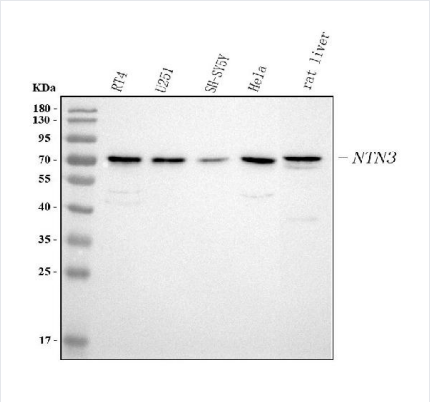
NTN3 Antibody – Rabbit Polyclonal

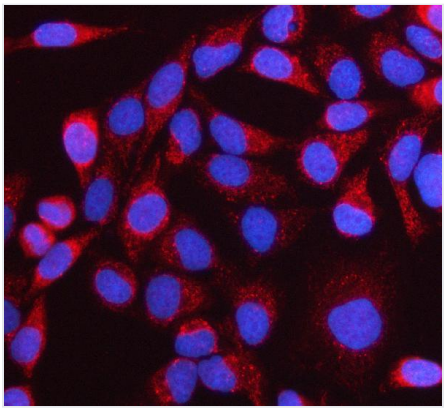
PRODUCT OVERVIEW

Product Name	NTN3, Polyclonal Antibody
Full Product Name	Anti-NTN3 Antibody Picoband
Product Gene Name	anti-NTN3 antibody
Product Synonym Names	Transmembrane protein 240; pyridine nucleotide-disulphide oxidoreductase domain 1; Pyridine nucleotide-disulfide oxidoreductase domain-containing protein 1; PYROXD1
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Rat
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Purity/Purification	Immunogen affinity purified.
Specificity	Detected in liver, skeletal muscle, kidney, pancreas, spleen, thyroid, testis, ovary, small intestine and colon.
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.
Molecular Weight	61,466 Da
Chromosome Location	Chromosome: 16; NC_000016.9 (2521500..2524146). Location: 16p13.3
OMIM	602349
3D Structure	ModBase 3D Structure for O00634
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.
Product Categories/Family for anti-NTN3 antibody	Primary Antibodies; Cell Biology
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-NTN3 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-NTN3 antibody	WB: 0.25-0.5ug/ml, Human, Rat IHC: 2-5ug/ml, Human ICC/IF: 5ug/ml, Human ELISA: 0.1-0.5ug/ml
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.

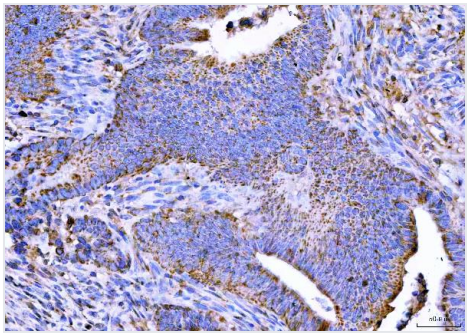
Product References and Citations for anti-NTN3 antibody	1. Van Raay, T. J., Foskett, S. M., Connors, T. D., Klinger, K. W., Landes, G. M., Burn, T. C. The NTN2L gene encoding a novel human netrin maps to the autosomal dominant polycystic kidney disease region on chromosome 16p13.3. Genomics 41: 279-282, 1997.
Other Notes	Small volumes of anti-NTN3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NTN3 purchase	MBS1759509 is an antibody targeting NTN3. Also known as Anti-NTN3 Antibody Picoband. Reactive in Human, Rat. Host: Rabbit.



Western Blot (WB) of anti-NTN3 antibody
Figure 1. Western blot analysis of NTN3 using anti-NTN3 antibody (MBS1759509).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 (#MBS1759509) 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 (#MBS176460) 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.



Immunofluorescence (IF) of anti-NTN3 antibody
Figure 3. IF analysis of NTN3 using anti-NTN3 antibody (MBS1759509).NTN3 was detected in an immunocytochemical section of HELA cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (#MBS176582) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-NTN3 Antibody (MBS1759509) 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.



Immunohistochemistry (IHC) of anti-NTN3 antibody
Figure 2. IHC analysis of NTN3 using anti-NTN3 antibody (MBS1759509).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 (MBS1759509) 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 (#MBS176453) with DAB as the chromogen.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NTN3. It may not necessarily be applicable to this product.

NCBI GI #	5453810
NCBI GeneID	4917
NCBI Accession #	NP_006172.1
UniProt Primary Accession #	O00634
UniProt Related Accession #	O00634
GenBank Nucleotide #	NM_006181.2
NCBI Official Full Name	netrin-3
NCBI Official Synonym Full Names	netrin 3
NCBI Official Symbol	NTN3
NCBI Official Synonym Symbols	NTN2L
UniProt Protein Name	Netrin-3
UniProt Synonym Protein Names	Netrin-2-like protein
Protein Family	Netrin
UniProt Gene Name	NTN3
UniProt Synonym Gene Names	NTN2L
UniProt Entry Name	NET3_HUMAN
NCBI Protein Information	netrin-3; netrin-2-like protein; Netrin-2, chicken, homolog of, like
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