

Rabbit anti-Human, Rat LMNTD1 Polyclonal Antibody | anti-LMNTD1 antibody

Anti-LMNTD1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127887	Rabbit	Human, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

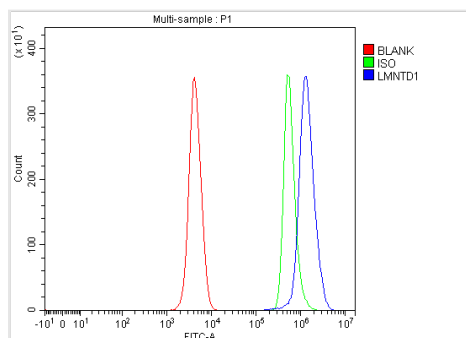
PRODUCT SYNONYMS

LMNTD1; Polyclonal Antibody; Anti-LMNTD1 Antibody Picoband; anti-LMNTD1 antibody

PRODUCT SPECIFICATIONS

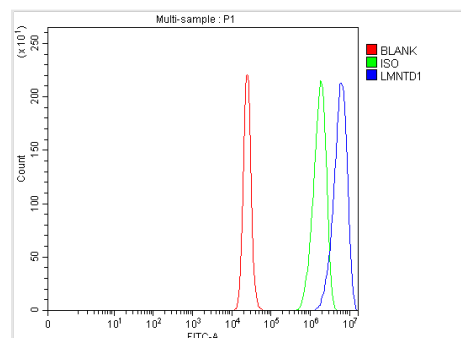
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-LMNTD1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human LMNTD1 recombinant protein (Position: Y48-E349). Human LMNTD1 shares 59.4% amino acid (aa) sequence identity with mouse LMNTD1.
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



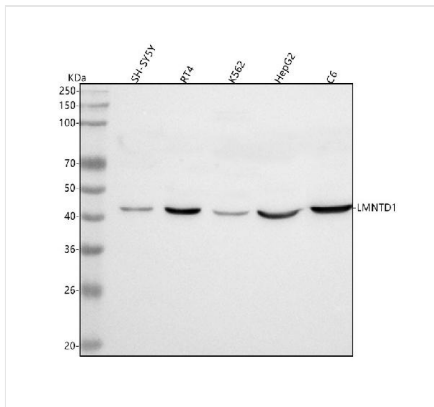
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of SH-SY5Y cells using anti-LMNTD1 antibody (AAA127887). Overlay histogram showing SH-SY5Y cells stained with AAA127887 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-LMNTD1 Antibody (AAA127887, 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/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of RT4 cells using anti-LMNTD1 antibody (AAA127887). Overlay histogram showing RT4 cells stained with AAA127887 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-LMNTD1 Antibody (AAA127887, 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.



WB (Western Blot)

Figure 1. Western blot analysis of IFTLD1/LMNTD1 using anti-IFTLD1/LMNTD1 antibody (AAA127887). 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 SH-SY5Y whole cell lysates, Lane 2: human RT4 whole cell lysates, Lane 3: human K562 whole cell lysates, Lane 4: human HepG2 whole cell lysates, Lane 5: rat C6 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-IFTLD1/LMNTD1 antigen affinity purified polyclonal antibody (#AAA127887) 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 IFTLD1/LMNTD1 at approximately 43 kDa. The expected band size for IFTLD1/LMNTD1 is at 43 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-LMNTD1 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-LMNTD1 antibody	Primary Antibodies
References	1. Hartz, P. A. Personal Communication. Baltimore, Md. 12/14/2016. 2. Wang, M., Futamura, M., Wang, Y., You, M. Pas1c1 is a candidate for the mouse pulmonary adenoma susceptibility 1 locus. <i>Oncogene</i> 24: 1958-1963, 2005.

NCBI AND UNIPROT INFORMATION

NCBI GI #	224593273
NCBI GeneID	160492
NCBI Accession #	NP_001139200
NCBI GenBank Nucleotide #	NM_001145728.2
UniProt Accession #	Q8N9Z9 ; Q8IY38 ; B4DL27 ; B4DY70
Molecular Weight	45,891 Da
NCBI Official Full Name	lamin tail domain-containing protein 1 isoform 1
NCBI Official Synonym Full Names	lamin tail domain containing 1
NCBI Official Symbol	LMNTD1
NCBI Official Synonym Symbols	IFLTD1; PAS1C1
NCBI Protein Information	lamin tail domain-containing protein 1; intermediate filament tail domain containing 1; intermediate filament tail domain-containing protein 1

UniProt Protein Name	Lamin tail domain-containing protein 1
UniProt Gene Name	LMNTD1
UniProt Synonym Gene Names	IFLTD1
UniProt Entry Name	LMTD1_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/lmntd1-antibody-flow-cytometry-western-blot-elisa/127887>