

Rabbit anti-Human LUZP1 Polyclonal Antibody | anti-LUZP1 antibody

Anti-LUZP1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127763	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

LUZP1; Polyclonal Antibody; Anti-LUZP1 Antibody Picoband; anti-LUZP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
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-LUZP1 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human LUZP1 recombinant protein (Position: K604-H1040). Human LUZP1 shares 76.2% and 79.1% amino acid (aa) sequence identity with mouse and rat LUZP1, 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/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of A431 cells using anti-LUZP1 antibody (AAA127763).Overlay histogram showing A431 cells stained with AAA127763 (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-LUZP1 Antibody (AAA127763, 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 2. IF analysis of LUZP1 using anti-LUZP1 antibody (AAA127763) and anti-Beta Tubulin antibody (M01857-3).LUZP1 was detected in immunocytochemical section of HELA cell. 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-LUZP1 Antibody (AAA127763) and mouse anti-Beta Tubulin antibody (M01857-3) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG and DyLight550 Conjugated Goat Anti-Mouse IgG (BA1133) were 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.



WB (Western Blot)

Figure 1. Western blot analysis of LUZP1 using anti-LUZP1 antibody (AAA127763). 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 SiHa whole cell lysates, Lane 2: human A431 whole cell lysates, Lane 3: human Hacat whole cell lysates, Lane 4: human HEL 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-LUZP1 antigen affinity purified polyclonal antibody (#AAA127763) at 0.25ug/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 LUZP1 at approximately 120 kDa. The expected band size for LUZP1 is at 120 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-LUZP1 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-LUZP1 antibody	Primary Antibodies
References	1. Sun, D.-S., Chang, A. C., Jenkins, N. A., Gilbert, D. J., Copeland, N. G., Chang, N.-C. A. Identification, molecular characterization, and chromosomal localization of the cDNA encoding a novel leucine zipper motif-containing protein. Genomics 36: 54-62, 1996.

NCBI AND UNIPROT INFORMATION

NCBI GI #	216548091
NCBI GeneID	7798
NCBI Accession #	NP_001136018.1
NCBI GenBank Nucleotide #	NM_001142546.1
UniProt Accession #	Q86V48; Q5TH93; Q8N4X3; Q8TEH1
Molecular Weight	117,555 Da
NCBI Official Full Name	leucine zipper protein 1
NCBI Official Synonym Full Names	leucine zipper protein 1
NCBI Official Symbol	LUZP1
NCBI Official Synonym Symbols	LUZP
NCBI Protein Information	leucine zipper protein 1
UniProt Protein Name	Leucine zipper protein 1
UniProt Gene Name	LUZP1
UniProt Entry Name	LUZP1_HUMAN

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