

Rabbit PDLIM7 Polyclonal Antibody | anti-PDLIM7 antibody

Anti-PDLIM7 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126378	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PDLIM7; Polyclonal Antibody; Anti-PDLIM7 Antibody Picoband; anti-PDLIM7 antibody

PRODUCT SPECIFICATIONS

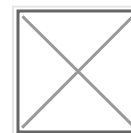
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-PDLIM7 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human PDLIM7 recombinant protein (Position: N275-V457).
Preparation and Storage	Store 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 5. Flow Cytometry analysis of A431 cells using anti-PDLIM7 antibody (AAA126378). Overlay histogram showing A431 cells stained with AAA126378 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PDLIM7 Antibody (AAA126378, 1 ug/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 (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



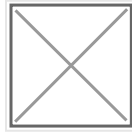
IHC (Immunohistochemistry)

Figure 4. IHC analysis of PDLIM7 using anti-PDLIM7 antibody (AAA126378). PDLIM7 was detected in a paraffin-embedded section of human gastric 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 2 ug/ml rabbit anti-PDLIM7 Antibody (AAA126378) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



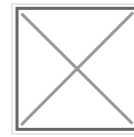
IHC (Immunohistochemisry)

Figure 3. IHC analysis of PDLIM7 using anti-PDLIM7 antibody (AAA126378).PDLIM7 was detected in a paraffin-embedded section of human gall bladder adenosquamous carcinoma 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 2 ug/ml rabbit anti-PDLIM7 Antibody (AAA126378) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of PDLIM7 using anti-PDLIM7 antibody (AAA126378).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 Hela whole cell lysates,Lane 2: human SK-OV-3 whole cell lysates,Lane 3: human K562 whole cell lysates,Lane 4: human Raji whole cell lysates,Lane 5: rat skeletal muscle tissue lysates,Lane 6: rat C6 whole cell lysates,Lane 7: mouse skeletal muscle tissue,Lane 8: mouse RAW264.7 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-PDLIM7 antigen affinity purified polyclonal antibody (#AAA126378) at 0.25 ug/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 PDLIM7 at approximately 50 kDa. The expected band size for PDLIM7 is at 50 kDa.



IHC (Immunohiostchemistry)

Figure 2. IHC analysis of PDLIM7 using anti-PDLIM7 antibody (AAA126378).PDLIM7 was detected in a paraffin-embedded section of human appendiceal 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 2 ug/ml rabbit anti-PDLIM7 Antibody (AAA126378) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-PDLIM7 antibody	PDZ and LIM domain protein 7 is a protein that in humans is encoded by the PDLIM7 gene. The protein encoded by this gene is representative of a family of proteins composed of conserved PDZ and LIM domains. LIM domains are proposed to function in protein-protein recognition in a variety of contexts including gene transcription and development and in cytoskeletal interaction. The LIM domains of this protein bind to protein kinases, whereas the PDZ domain binds to actin filaments. The gene product is involved in the assembly of an actin filament-associated complex essential for transmission of ret/ptc2 mitogenic signaling. The biological function is likely to be that of an adapter, with the PDZ domain localizing the LIM-binding proteins to actin filaments of both skeletal muscle and nonmuscle tissues. Alternative splicing of this gene results in multiple transcript variants.
Product Categories/Family for anti-PDLIM7 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	74752914
NCBI GeneID	9260
UniProt Accession #	Q9NR12; Q14250; Q5XG82; Q6NVZ5; Q96C91; Q9BXB8; Q9BXB9
Molecular Weight	457
NCBI Official Full Name	PDZ and LIM domain protein 7
NCBI Official Synonym Full Names	PDZ and LIM domain 7 (enigma)
NCBI Official Symbol	PDLIM7
NCBI Official Synonym Symbols	LMP1; LMP3

NCBI Protein Information	PDZ and LIM domain protein 7; LMP; 1110003B01Rik; protein enigma; Lim mineralization protein 3
UniProt Protein Name	PDZ and LIM domain protein 7
UniProt Gene Name	PDLIM7
UniProt Synonym Gene Names	ENIGMA; LMP
UniProt Entry Name	PDLI7_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/pdlim7-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/126378>