

Rabbit anti-Human PLD6 Polyclonal Antibody | anti-PLD6 antibody

Anti-PLD6 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127683	Rabbit	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

PLD6; Polyclonal Antibody; Anti-PLD6 Antibody Picoband; interleukin 17B; Interleukin-17B; IL-17B; Cytokine CX1; Cytokine-like protein ZCYTO7; Neuronal interleukin-17-related factor; IL17b; Nirf; Zcyto7; anti-PLD6 antibody

PRODUCT SPECIFICATIONS

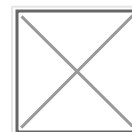
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in adult pancreas, small intestine, stomach, spinal cord and testis. Less pronounced expression in prostate, colon mucosal lining, and ovary.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-PLD6 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Immunogen	E coli-derived human PLD6 recombinant protein (Position: R39-L238).
Subcellular Localization	Secreted
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	Stimulates the release of tumor necrosis factor alpha and IL-1-beta from the monocytic cell line THP-1.
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 5. IF analysis of PLD6 using anti-PLD6 antibody (AAA127683).PLD6 was detected in a paraffin-embedded section of human oesophagus squama cancer 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 5ug/mL rabbit anti-PLD6 Antibody (AAA127683) 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.



FCM/FACS (Flow Cytometry)

Figure 4. Flow Cytometry analysis of MCF-7 cells using anti-PLD6 antibody (AAA127683).Overlay histogram showing MCF-7 cells stained with AAA127683 (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-PLD6 Antibody (AAA127683, 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.



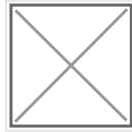
IHC (Immunohistochemisry)

Figure 3. IHC analysis of PLD6 using anti-PLD6 antibody (AAA127683). PLD6 was detected in a paraffin-embedded section of human colon 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-PLD6 Antibody (AAA127683) 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.



IHC (Immunohiostchemistry)

Figure 2. IHC analysis of PLD6 using anti-PLD6 antibody (AAA127683). PLD6 was detected in a paraffin-embedded section of human endometrial 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-PLD6 Antibody (AAA127683) 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 PLD6 using anti-PLD6 antibody (AAA127683). 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 THP-1 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-PLD6 antigen affinity purified polyclonal antibody (#AAA127683) 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 PLD6 at approximately 28 kDa. The expected band size for PLD6 is at 28 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PLD6 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-PLD6 antibody	Primary Antibodies ; Cytokines ; Immunology ; Innate Immunity ; Interleukins
References	1. Choi, S.-Y., Huang, P., Jenkins, G. M., Chan, D. C., Schiller, J., Frohman, M. A. A common lipid links Mfn-mediated mitochondrial fusion and SNARE-regulated exocytosis. <i>Nature Cell Biol.</i> 8: 1255-1262, 2006. 2. Hartz, P. A. Personal Communication. Baltimore, Md. 11/29/2012. 3. Huang, H., Gao, Q., Peng, X., Choi, S.-Y., Sarma, K., Ren, H., Morris, A. J., Frohman, M. A. piRNA-associated germline nuage formation and spermatogenesis require MitoPLD profusogenic mitochondrial-surface lipid signaling. <i>Dev. Cell</i> 20: 376-387, 2011.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21410612
NCBI GeneID	201164
UniProt Accession #	Q8N2A8 ; Q8N5Y1
Molecular Weight	28,273 Da
NCBI Official Full Name	Phospholipase D family, member 6
NCBI Official Synonym Full Names	phospholipase D family, member 6
NCBI Official Symbol	PLD6
NCBI Official Synonym Symbols	ZUC

NCBI Protein Information	mitochondrial cardiolipin hydrolase; PLD 6; mitoPLD; phospholipase D6; choline phosphatase 6; protein zucchini homolog; mitochondrial phospholipase; phosphatidylcholine-hydrolyzing phospholipase D6
UniProt Protein Name	Mitochondrial cardiolipin hydrolase
UniProt Gene Name	PLD6
UniProt Synonym Gene Names	MitoPLD; PLD 6
UniProt Entry Name	PLD6_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/pld6-antibody-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/127683>