

Rabbit PDXDC1 Polyclonal Antibody | anti-PDXDC1 antibody

Anti-PDXDC1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127707	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

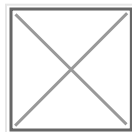
PRODUCT SYNONYMS

PDXDC1; Polyclonal Antibody; Anti-PDXDC1 Antibody Picoband; interleukin 17B; Interleukin-17B; IL-17B; Cytokine CX1; Cytokine-like protein ZCYTO7; Neuronal interleukin-17-related factor; Il17b; Nirf; Zcyto7; anti-PDXDC1 antibody

PRODUCT SPECIFICATIONS

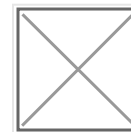
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in adult pancreas, small intestine, stomach, spinal cord and testis. Less pronounced expression in prostate, colon mucosal lining, and ovary.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-PDXDC1 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived human PDXDC1 recombinant protein (Position: E473-H773).
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



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of HepG2 cells using anti-PDXDC1 antibody (AAA127707).Overlay histogram showing HepG2 cells stained with AAA127707 (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-PDXDC1 Antibody (AAA127707, 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 without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of PDXDC1 using anti-PDXDC1 antibody (AAA127707).PDXDC1 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-PDXDC1 Antibody (AAA127707) 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 PDXDC1 using anti-PDXDC1 antibody (AAA127707). 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 293T whole cell lysates, Lane 3: human RT4 whole cell lysates, Lane 4: human HepG2 whole cell lysates, Lane 5: rat testis tissue lysates, Lane 6: rat lung tissue lysates, Lane 7: mouse testis 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-PDXDC1 antigen affinity purified polyclonal antibody (#AAA127707) 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 PDXDC1 at approximately 50 kDa. The expected band size for PDXDC1 is at 87 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PDXDC1 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-PDXDC1 antibody	Primary Antibodies; Cytokines; Immunology; Innate Immunity; Interleukins
References	1. Hartz, P. A. Personal Communication. Baltimore, Md. 9/22/2011.2. Nagase, T., Seki, N., Ishikawa, K., Ohira, M., Kawarabayasi, Y., Ohara, O., Tanaka, A., Kotani, H., Miyajima, N., Nomura, N. Prediction of the coding sequences of unidentified human genes. VI. The coding sequences of 80 new genes (KIAA0201-KIAA0280) deduced by analysis of cDNA clones from cell line KG-1 and brain. DNA Res. 3: 321-329, 1996.

NCBI AND UNIPROT INFORMATION

NCBI GI #	190341074
NCBI GeneID	23042
NCBI Accession #	NP_055842.2
NCBI GenBank Nucleotide #	NM_015027.2
UniProt Accession #	Q6P996; O00236; Q4F6X7; Q6PID7; Q86YF1; Q8N4Q9; Q8TBS5
Molecular Weight	86,707 Da
NCBI Official Full Name	pyridoxal-dependent decarboxylase domain-containing protein 1
NCBI Official Synonym Full Names	pyridoxal-dependent decarboxylase domain containing 1
NCBI Official Symbol	PDXDC1
NCBI Official Synonym Symbols	LP8165
NCBI Protein Information	pyridoxal-dependent decarboxylase domain-containing protein 1
UniProt Protein Name	Pyridoxal-dependent decarboxylase domain-containing protein 1
UniProt Gene Name	PDXDC1
UniProt Synonym Gene Names	KIAA0251
UniProt Entry Name	PDXD1_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://stage.aaabiotech.com/polyclonal/pdxdc1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/127707>