

Rabbit PITHD1 Polyclonal Antibody | anti-PITHD1 antibody

Anti-PITHD1 Antibody Picoband

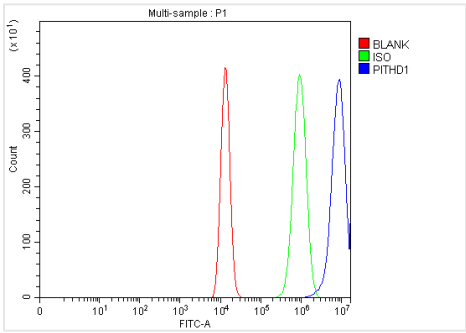
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA20003	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

PITHD1; Polyclonal Antibody; Anti-PITHD1 Antibody Picoband; anti-PITHD1 antibody

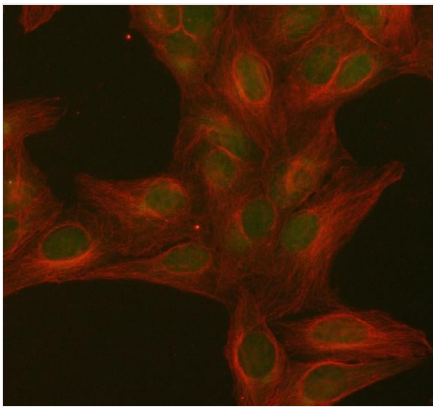
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, 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-PITHD1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5ug/ml, Human, Mouse, Rat IHC: 2-5ug/ml, Human ICC/IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human PITHD1 recombinant protein (Position: C12-S211). Human PITHD1 shares 98% amino acid (aa) sequence identity with mouse PITHD1.
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.



FCM (Flow Cytometry)

Figure 15. Flow Cytometry analysis of HEL cells using anti-PITHD1 antibody (AAA20003).Overlay histogram showing HEL cells stained with AAA20003 (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-PITHD1 Antibody (AAA20003, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10ug/1x106 cells) 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 14. IF analysis of PITHD1 using anti-PITHD1 antibody (AAA20003) and anti-Beta Tubulin antibody (M01857-3).PITHD1 was detected in immunocytochemical section of U2OS cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-PITHD1 Antibody (AAA20003) and mouse anti-Beta Tubulin antibody (M01857-3) overnight at 4 degree C. DyLight®488 Conjugated Goat Anti-Rabbit IgG (BA1127) and DyLight®550 Conjugated Goat Anti-Mouse IgG (BA1133) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

ADDITIONAL INFORMATION

Related Product Information for anti-PITHD1 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-PITHD1 antibody	Primary Antibodies
References	1. Kondo, H., Matsumura, T., Kaneko, M., Inoue, K., Kosako, H., Ikawa, M., Takahama, Y., Ohigashi, I. PITHD1 is a proteasome-interacting protein essential for male fertilization. J. Biol. Chem. 295: 1658-1672, 2020.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361837
NCBI GeneID	57095
NCBI Accession #	NP_065095.2
NCBI GenBank Nucleotide #	NM_020362.4
UniProt Accession #	Q9GZP4; Q5QPN6; Q5QPN7; Q9NRI8; B2R7J4
Molecular Weight	24,121 Da
NCBI Official Full Name	PITH domain-containing protein 1
NCBI Official Synonym Full Names	PITH domain containing 1
NCBI Official Symbol	PITHD1
NCBI Official Synonym Symbols	HT014; TXNL1CL; C1orf128
NCBI Protein Information	PITH domain-containing protein 1
UniProt Protein Name	PITH domain-containing protein 1
UniProt Gene Name	PITHD1
UniProt Synonym Gene Names	C1orf128

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/pithd1-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/20003>