

Rabbit anti-Human PSTPIP1 Polyclonal Antibody | anti-PSTPIP1 antibody

Anti-PSTPIP1 Antibody Picoband

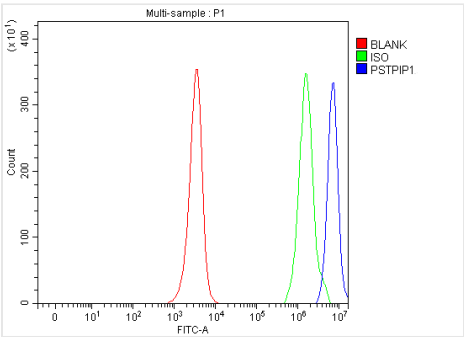
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127257	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

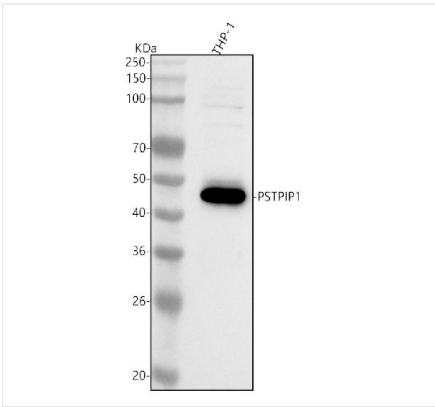
PSTPIP1; Polyclonal Antibody; Anti-PSTPIP1 Antibody Picoband; anti-PSTPIP1 antibody

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-PSTPIP1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human PSTPIP1 recombinant protein (Position: M1-D394). Human PSTPIP1 shares 87.3% amino acid (aa) sequence identity with mouse PSTPIP1.
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/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of JK cells using anti-PSTPIP1 antibody (AAA127257).Overlay histogram showing JK cells stained with AAA127257 (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-PSTPIP1 Antibody (AAA127257, 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.



WB (Western Blot)
Figure 1. Western blot analysis of PSTPIP1 using anti-PSTPIP1 antibody (AAA127257).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-PSTPIP1 antigen affinity purified polyclonal antibody (#AAA127257) 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 PSTPIP1 at approximately 45 kDa. The expected band size for PSTPIP1 is at 48 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PSTPIP1 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-PSTPIP1 antibody	Primary Antibodies
References	1. Cong, F., Spencer, S., Cote, J.-F., Wu, Y., Tremblay, M. L., Lasky, L. A., Goff, S. P. Cytoskeletal protein PSTPIP1 s the PEST-type protein tyrosine phosphatase to the c-Abl kinase to mediate Abl dephosphorylation. Molec. Cell 6: 1413-1423, 2000. 2. Gross, M. B. Personal Communication. Baltimore, Md. 2/17/2015.3. Li, J., Nishizawa, K., An, W., Hussey, R. E., Lialios, F. E., Salgia, R., Sunder-Plassmann, R., Reinherz, E. L. A cdc15-like adaptor protein (CD2BP1) interacts with the CD2 cytoplasmic domain and regulates CD2-triggered adhesion. EMBO J. 17: 7320-7336, 1998.

NCBI AND UNIPROT INFORMATION

NCBI GI #	74739557
NCBI GeneID	9051
UniProt Accession #	O43586; O43585; O95657; B5BU74; B5BUK4
Molecular Weight	416
NCBI Official Full Name	Proline-serine-threonine phosphatase-interacting protein 1
NCBI Official Synonym Full Names	proline-serine-threonine phosphatase interacting protein 1
NCBI Official Symbol	PSTPIP1
NCBI Official Synonym Symbols	H-PIP; PAPAS; CD2BP1; PSTPIP; CD2BP1L; CD2BP1S
NCBI Protein Information	proline-serine-threonine phosphatase-interacting protein 1; CD2-binding protein 1; CD2 antigen-binding protein 1; CD2 cytoplasmic tail-binding protein; PEST phosphatase-interacting protein 1

UniProt Protein Name	Proline-serine-threonine phosphatase-interacting protein 1
UniProt Gene Name	PSTPIP1
UniProt Synonym Gene Names	CD2BP1; PEST phosphatase-interacting protein 1
UniProt Entry Name	PPIP1_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/pstpip1-antibody-flow-cytometry-western-blot-elisa/127257>