

Datasheet for ABIN7599351
anti-PSTPIP1 antibody (AA 1-394)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	PSTPIP1
Binding Specificity:	AA 1-394
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSTPIP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-PSTPIP1 Antibody Picoband®
Immunogen:	E.coli-derived human PSTPIP1 recombinant protein (Position: M1-D394). Human PSTPIP1 shares 87.3% amino acid (aa) sequence identity with mouse PSTPIP1.
Characteristics:	Anti-PSTPIP1 Antibody Picoband® (ABIN7599351). Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Human. 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	PSTPIP1
Alternative Name:	PSTPIP1 (PSTPIP1 Products)
Background:	<p>Proline-serine-threonine phosphatase-interacting protein 1 is an enzyme that in humans is encoded by the PSTPIP1 gene. This gene encodes a cytoskeletal protein that is highly expressed in hemopoietic tissues. This protein functions via its interaction with several different proteins involved in cytoskeletal organization and inflammatory processes. It binds to the cytoplasmic tail of CD2, an effector of T cell activation and adhesion, downregulating CD2-triggered adhesion. It binds PEST-type protein tyrosine phosphatases (PTP) and sends them to c-Abl kinase to mediate c-Abl dephosphorylation, thereby, regulating c-Abl activity. It also interacts with pyrin, which is found in association with the cytoskeleton in myeloid/monocytic cells and modulates immunoregulatory functions. Mutations in this gene are associated with PAPA (pyogenic sterile arthritis, pyoderma gangrenosum, and acne) syndrome. It is hypothesized that the disease-causing mutations compromise physiologic signaling necessary for the maintenance of a proper inflammatory response.</p>
Molecular Weight:	45 kDa
Gene ID:	9051
UniProt:	O43586

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Cong, F., Spencer, S., Cote, J.-F., Wu, Y., Tremblay, M. L., Lasky, L. A., Goff, S. P. Cytoskeletal protein PSTPIP1 sends the PEST-type protein tyrosine phosphatase to the c-Abl kinase to mediate Abl dephosphorylation. <i>Molec. Cell</i> 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. <i>EMBO J.</i> 17: 7320-7336, 1998.</p>
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized

Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.