

Rabbit PSTPIP1 Polyclonal Antibody | anti-PSTPIP1 antibody

PSTPIP1 Polyclonal Antibody

CATALOG # AAA280346	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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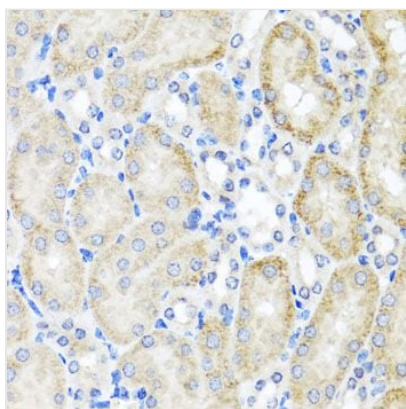
PRODUCT SYNONYMS

PSTPIP1; Polyclonal Antibody; PSTPIP1 Polyclonal Antibody; anti-PSTPIP1 antibody

PRODUCT SPECIFICATIONS

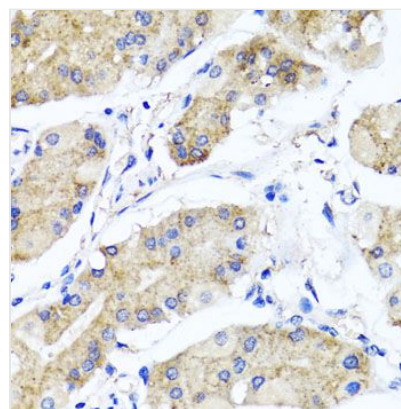
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence Length	416
Applicable Applications for anti-PSTPIP1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 157-416 of human PSTPIP1 (NP_003969.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



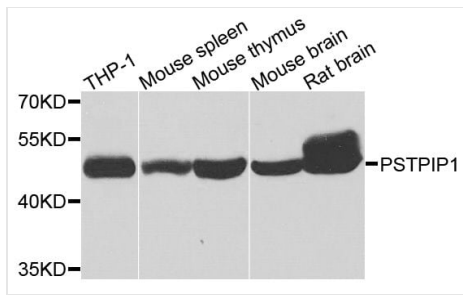
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse kidney using PSTPIP1 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human stomach using PSTPIP1 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PSTPIP1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 40s.

ADDITIONAL INFORMATION

Related Product Information for anti-PSTPIP1 antibody

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 directs 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20149528
NCBI GeneID	9051
NCBI Accession #	NP_003969.2
NCBI GenBank Nucleotide #	NM_003978.3
UniProt Accession #	O43586 ; O43585 ; O95657 ; B5BU74 ; B5BUK4
Molecular Weight	Calculated MW 45kDa/47kDa Observed MW 48kDa
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
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.