

Product datasheet for **TA357788**

SHIP (INPP5D) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	Expected reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat Homology: Cow: 86%; Dog: 86%; Guinea Pig: 79%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 93%; Rabbit: 93%; Rat: 100%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	131kDa
Gene Name:	inositol polyphosphate-5-phosphatase D
Database Link:	NP_001017915 Entrez Gene 3635 Human Q92835



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Background:

This gene is a member of the inositol polyphosphate-5-phosphatase (INPP5) family and encodes a protein with an N-terminal SH2 domain, an inositol phosphatase domain, and two C-terminal protein interaction domains. Expression of this protein is restricted to hematopoietic cells where its movement from the cytosol to the plasma membrane is mediated by tyrosine phosphorylation. At the plasma membrane, the protein hydrolyzes the 5' phosphate from phosphatidylinositol (3,4,5)-trisphosphate and inositol-1,3,4,5-tetrakisphosphate, thereby affecting multiple signaling pathways. Overall, the protein functions as a negative regulator of myeloid cell proliferation and survival. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Synonyms:

hp51CN; MGC104855; MGC142140; MGC142142; p150Ship; SHIP; SHIP-1; SHIP1; SIP-145

Protein Families:

Druggable Genome

Protein Pathways:

B cell receptor signaling pathway, Fc epsilon RI signaling pathway, Fc gamma R-mediated phagocytosis, Insulin signaling pathway, Phosphatidylinositol signaling system

Product images: