

SHIP-1 (phospho Tyr1021) Polyclonal Antibody

Cat #: ABP50431

Size: 30µl /100µl /200µl

Product Information

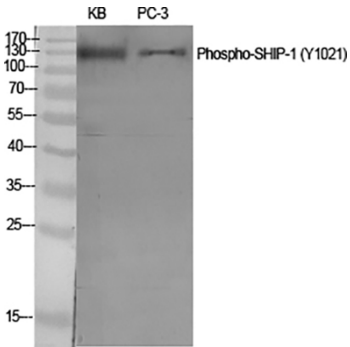
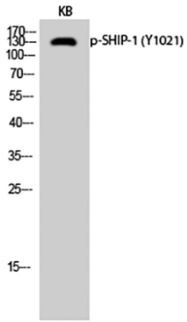
	Product Name: SHIP-1 (phospho Tyr1021) Polyclonal Antibody		
	Applications: WB , ELISA		Isotype: Rabbit IgG
	Reactivity: Human, Mouse, Rat		
REF	Catalog Number: ABP50431	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

Background: INPP5D is a member of the inositol polyphosphate-5-phosphatase (INPP5) family and encodes inositol polyphosphate-5-phosphatase D with an N-terminal SH2 domain, an inositol phosphatase domain, and two C-terminal protein interaction domains. Expression of inositol polyphosphate-5-phosphatase D 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. Inositol polyphosphate-5-phosphatase D is also partly localized to the nucleus, where it may be involved in nuclear inositol phosphate signaling processes. Overall, the protein functions as a negative regulator of myeloid cell proliferation and survival. Mutations in INPP5D are associated with defects and cancers of the immune system. Alternative splicing of this gene results in multiple transcript variants.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), ELISA (1:40000). Not yet tested in other applications.

Storage Buffer: PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

	Fig.1. Western Blot analysis of various cells using Phospho-SHIP-1 (Y1021) Polyclonal Antibody diluted at 1:500.
	Fig.2. Western Blot analysis of KB cells using Phospho-SHIP-1 (Y1021) Polyclonal Antibody diluted at 1:500.

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