# **Elabscience**®

## **INPP5D Polyclonal Antibody**

#### catalog number: E-AB-70200

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Mouse;Rat
Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse SHIP1
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein
	protectant and 50% glycerol.

Applications	Recommended Dilution
ІНС	1:200-1:1000
Data	





Immunohistochemistry analysis of paraffin-embedded mouse Immunohistochemistry analysis of paraffin-embedded rat inflammation spleen using INPP5D Polyclonal Antibody at thymus tissue using INPP5D Polyclonal Antibody at dilution dilution of 1:300.

Preparation & Storage	
Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the
	temperature recommended.

#### Background

This gene is a member of the inositol polyphosphate-5-phosphatase (INPP5) family and encodes a protein with an Nterminal 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. The protein 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 this gene are associated with defects and cancers of the immune system. Alternative splicing of this gene results in multiple transcript variants.

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