

INPP5D Rabbit Polyclonal Antibody



CAB0122

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

150kDa

Calculated MW:

109kDa/133kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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. 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.

Immunogen information

Gene ID:

3635

Uniprot

Q92835

Synonyms:

INPP5D; SHIP; SHIP-1; SHIP1; SIP-145; hp51CN; p150Ship

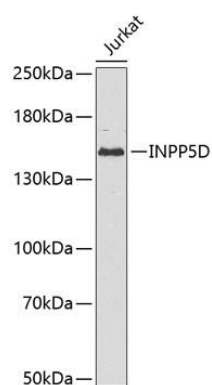
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 959-1188 of human INPP5D (NP_005532.2).

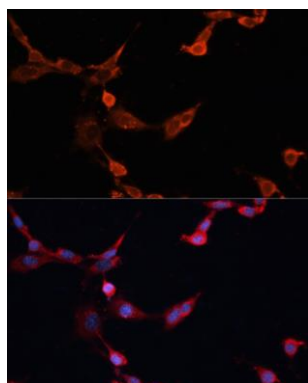
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Western blot analysis of extracts of Jurkat cells, using INPP5D antibody (CAB0122). Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Immunofluorescence analysis of NIH/3T3 cells using INPP5D antibody (CAB0122) at dilution of 1:100. Blue: DAPI for nuclear staining.