

Datasheet for ABIN5010505  
**anti-INPP5D antibody (AbBy Fluor® 680)**



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## Overview

|              |                                                       |
|--------------|-------------------------------------------------------|
| Quantity:    | 100 µL                                                |
| Target:      | INPP5D                                                |
| Reactivity:  | Human, Mouse, Rat                                     |
| Host:        | Rabbit                                                |
| Clonality:   | Polyclonal                                            |
| Conjugate:   | This INPP5D antibody is conjugated to AbBy Fluor® 680 |
| Application: | Western Blotting (WB)                                 |

## Product Details

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human SHIP1 |
| Isotype:              | IgG                                                       |
| Cross-Reactivity:     | Human, Monkey, Mouse                                      |
| Predicted Reactivity: | Rat,Cow,Pig,Horse                                         |
| Purification:         | Purified by Protein A.                                    |

## Target Details

|                   |                                                                                                                                                                      |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | INPP5D                                                                                                                                                               |
| Alternative Name: | SHIP1 ( <a href="#">INPP5D Products</a> )                                                                                                                            |
| Background:       | Synonyms: Inositol polyphosphate 5 phosphatase of 145 kDa, 4, 5-trisphosphate 5-phosphatase 1, hp51CN, hSHIP, Inositol polyphosphate 5 phosphatase 145 kDa, Inositol |

## Target Details

polyphosphate 5 phosphatase, Inositol polyphosphate 5 phosphatase D, Inositol polyphosphate-5-phosphatase of 145 kDa, INPP 5D, INPP5D, INPP5D protein, MGC104855, MGC142140, MGC142142, p150 ship, p150Ship, Phosphatidylinositol 3,4,5 trisphosphate 5 phosphatase 1, Phosphatidylinositol-3, SH2 containing inositol 5 phosphatase, SH2 containing inositol phosphatase isoform b, SH2 domain containing inositol 5' phosphatase 1, SH2 domain containing inositol phosphatase 1, SH2 domain-containing inositol phosphatase 1, SH2 domain-containing inositol-5"-phosphatase 1, SHIP 1, SHIP-1, SHIP1, SHIP1\_HUMAN, Signaling inositol polyphosphate 5 phosphatase SIP 145, Signaling inositol polyphosphate 5 phosphatase SIP145, SIP 145, SIP-145, SIP145.

Background: SHIP1 is a member of the inositol polyphosphate-5-phosphatase (INPP5) family and contains 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 in response to multiple cytokine and B and T cell receptor activation. 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.

|           |                                                                                                |
|-----------|------------------------------------------------------------------------------------------------|
| Gene ID:  | 3635                                                                                           |
| Pathways: | <a href="#">TCR Signaling</a> , <a href="#">BCR Signaling</a> , <a href="#">Warburg Effect</a> |

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | IF(IHC-P) 1:50-200    |
| Restrictions:      | For Research Use only |

## Handling

|                  |                                                                                                             |
|------------------|-------------------------------------------------------------------------------------------------------------|
| Format:          | Liquid                                                                                                      |
| Concentration:   | 1 µg/µL                                                                                                     |
| Buffer:          | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Storage:         | -20 °C                                                                                                      |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                           |

Handling

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Expiry Date: 12 months