

[Go to Product page](#)

Datasheet for ABIN6992164 **anti-INPP4B antibody (N-Term)**

Overview

Quantity:	0.1 mg
Target:	INPP4B
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	ELISA, Western Blotting (WB), Immunocytochemistry (ICC)

Product Details

Immunogen:	INPP4B antibody was raised against a 17 amino acid peptide near the amino terminus of human INPP4B. The immunogen is located within the last 50 amino acids of INPP4B.
Isotype:	IgG
Specificity:	INPP4B antibody is human, mouse and rat reactive. At least two isoforms of INPP4B are known to exist, this antibody only detects the longer isoform. INPP4B antibody is predicted to not cross-react with INPP4A.
Purification:	INPP4B antibody is affinity chromatography purified via peptide column.

Target Details

Target:	INPP4B
Alternative Name:	INPP4B (INPP4B Products)
Background:	Inositol polyphosphate 4-phosphatase type II (INPP4B) is one of the enzymes involved in

Target Details

phosphatidylinositol signaling pathways. It removes the phosphate group at position 4 of the inositol ring from inositol 3,4-bisphosphate (1). INPP4B can function as a tumor suppressor by inhibiting PI3K signaling. In human epithelial cells, knockdown of INPP4B expression resulted in enhanced Akt activation, anchorage-independent growth, and enhanced overall motility (2). It is thought INPP4B may also have oncogenic functions as INPP4B-dependent PI3K signaling is mediated by SGK3 in breast cancer cells and expression of INPP4B leads to enhanced SGK3 activation and suppression of AKT phosphorylation (3).

Molecular Weight: Predicted: 102 kDa

Observed: 100 kDa

Gene ID: 8821

NCBI Accession: [NP_003857](#)

UniProt: [Q9BS68](#)

Application Details

Application Notes: INPP4B antibody can be used for detection of INPP4B by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunocytochemistry starting at 2.5 μ g/mL.

Antibody validated: Western Blot in mouse samples and Immunocytochemistry in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: INPP4B antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: INPP4B antibody can be stored at 4°C for three months and -20°C, stable for up to one year.