

Rabbit INPP4A Polyclonal Antibody | anti-INPP4A antibody

Anti-INPP4A Antibody Picoband

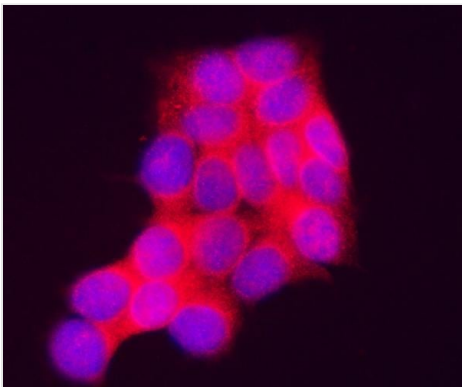
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126485	Rabbit	Human, Mouse, Rat	ELISA, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

INPP4A; Polyclonal Antibody; Anti-INPP4A Antibody Picoband; anti-INPP4A antibody

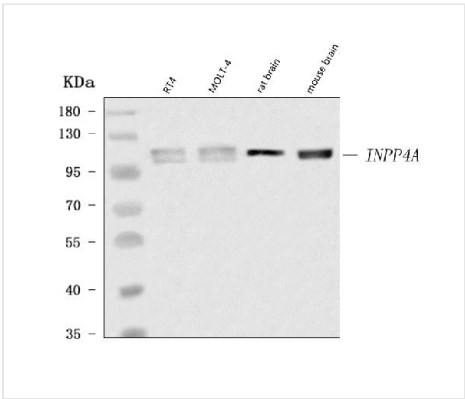
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-INPP4A antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human INPP4A recombinant protein (Position: Q39-E935).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



IF (Immunofluorescence)

Figure 2. IF analysis of INPP4A using anti-INPP4A antibody (AAA126485).INPP4A was detected in an immunocytochemical section of MCF-7 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-INPP4A Antibody (AAA126485) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of INPP4A using anti-INPP4A antibody (AAA126485).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human RT4 whole cell lysates,Lane 2: human MOLT-4 whole cell lysates,Lane 3: rat brain tissue lysates,Lane 4: mouse brain tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-INPP4A antigen affinity purified polyclonal antibody (#AAA126485) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for INPP4A at approximately 110 kDa. The expected band size for INPP4A is at 110 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-INPP4A antibody	Type I inositol-3,4-bisphosphate 4-phosphatase is an enzyme that in humans is encoded by the INPP4A gene. This gene encodes an Mg++ independent enzyme that hydrolyzes the 4-position phosphate from the inositol ring of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate, and inositol 3,4-bisphosphate. Multiple transcript variants encoding distinct isoforms have been described.
Product Categories/Family for anti-INPP4A antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	119622315
NCBI GeneID	3631
UniProt Accession #	Q96PE3; O15326; Q13187; Q53TD8; Q8TC02
Molecular Weight	109,956 Da
NCBI Official Full Name	inositol polyphosphate-4-phosphatase, type I, 107kDa, isoform CRA_f
NCBI Official Synonym Full Names	inositol polyphosphate-4-phosphatase, type I, 107kDa
NCBI Official Symbol	INPP4A
NCBI Official Synonym Symbols	INPP4; TVAS1
NCBI Protein Information	type I inositol 3,4-bisphosphate 4-phosphatase; type I inositol-3,4-bisphosphate 4-phosphatase; inositol polyphosphate-4-phosphatase, type I, 107kD
UniProt Protein Name	Type I inositol 3,4-bisphosphate 4-phosphatase
UniProt Gene Name	INPP4A

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/inpp4a-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/126485>