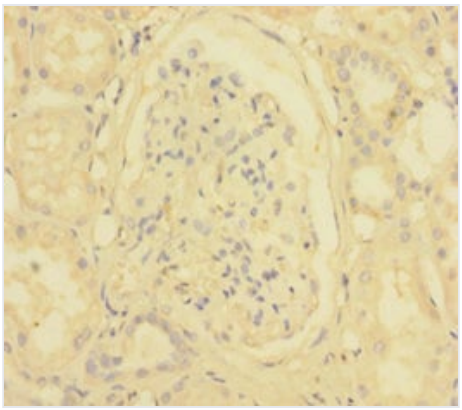
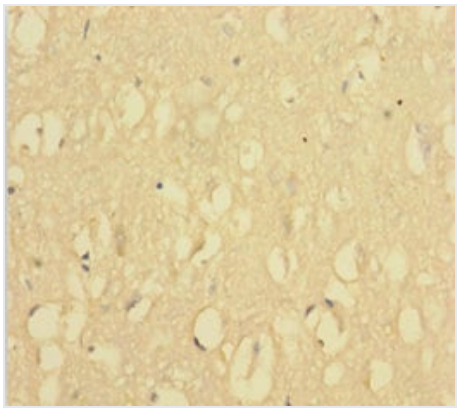
Type I Inositol 1,4,5-Trisphosphate 5-Phosphatase (INPP5A) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

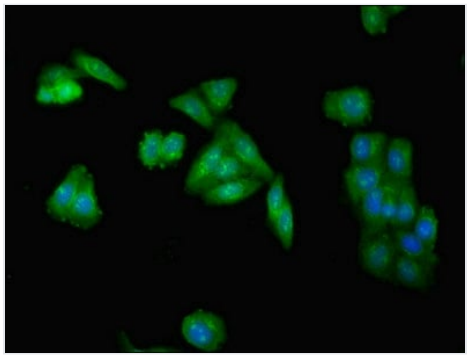
Product Name	Type I inositol 1,4,5-trisphosphate 5-phosphatase (INPP5A), Polyclonal Antibody
Full Product Name	Rabbit anti-human Type I inositol 1, 4, 5-trisphosphate 5-phosphatase polyclonal Antibody
Product Gene Name	anti-INPP5A antibody
Product Synonym Names	5PTase; INPP5A
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation Purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: Type I inositol 1,4,5-trisphosphate 5-phosphatase (MBS1489302) HRP Conjugated Antibody: Type I inositol 1,4,5-trisphosphate 5-phosphatase (MBS1488508)
Matching Pairs	Unconjugated Antibody: Type I inositol 1,4,5-trisphosphate 5-phosphatase (MBS1489302) FITC Conjugated Antibody: Type I inositol 1,4,5-trisphosphate 5-phosphatase (MBS1490217)
Matching Pairs	Unconjugated Antibody: Type I inositol 1,4,5-trisphosphate 5-phosphatase (MBS1489302) Biotin Conjugated Antibody: Type I inositol 1,4,5-trisphosphate 5-phosphatase (MBS1490266)
Molecular Weight	47,820 Da
OMIM	600106
3D Structure	ModBase 3D Structure for Q14642
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant human Type I inositol 1,4,5-trisphosphate 5-phosphatase protein
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-12302 / sc-12305
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-INPP5A antibody	ELISA (EIA), Immunohistochemistry (IHC)
Related Product Information for anti-INPP5A antibody	Major isoenzyme hydrolyzing the calcium-mobilizing second messenger Ins(1,4,5)P3, this is a signal-terminating reaction.
Other Notes	Small volumes of anti-INPP5A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for INPP5A purchase	MBS1489302 is an antibody targeting INPP5A. Also known as Rabbit anti-human Type I inositol 1, 4, 5-trisphosphate 5-phosphatase polyclonal Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-INPP5A antibody
Immunohistochemistry of paraffin-embedded human kidney tissue using MBS1489302 at dilution 1:100



Immunohistochemistry (IHC) of anti-INPP5A antibody
Immunohistochemistry of paraffin-embedded human brain tissue using MBS1489302 at dilution 1:100



Immunohistochemistry (IHC) of anti-INPP5A antibody
Immunofluorescent analysis of HepG2 cells using MBS1489302 at a dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for INPP5A. It may not necessarily be applicable to this product.

NCBI GI #	109702906
NCBI GeneID	3632
NCBI Accession #	NP_005530.3
UniProt Primary Accession #	Q14642
UniProt Secondary Accession #	Q14640; Q5JSF1; D3DXI3
UniProt Related Accession #	Q14642
GenBank Nucleotide #	NM_005539.3
NCBI Official Full Name	type I inositol 1,4,5-trisphosphate 5-phosphatase
NCBI Official Synonym Full Names	inositol polyphosphate-5-phosphatase A
NCBI Official Symbol	INPP5A
NCBI Official Synonym Symbols	5PTASE
UniProt Protein Name	Type I inositol 1,4,5-trisphosphate 5-phosphatase
Protein Family	Type I inositol 1,4,5-trisphosphate 5-phosphatase
UniProt Gene Name	INPP5A
UniProt Synonym Gene Names	5PTase

UniProt Entry Name	I5P1_HUMAN
NCBI Protein Information	type I inositol 1,4,5-trisphosphate 5-phosphatase
NCBI Summary for INPP5A	The protein encoded by this gene is a membrane-associated type I inositol 1,4,5-trisphosphate (InsP3) 5-phosphatase. InsP3 5-phosphatases hydrolyze Ins(1,4,5)P3, which mobilizes intracellular calcium and acts as a second messenger mediating cell responses to various stimulation. [provided by RefSeq, Jul 2008]
UniProt Comments for INPP5A	INPP5A: Major isoenzyme hydrolyzing the calcium-mobilizing second messenger Ins(1,4,5)P3, this is a signal-terminating reaction. Belongs to the inositol 1,4,5-trisphosphate 5- phosphatase type I family. Protein type: Carbohydrate Metabolism - inositol phosphate; EC 3.1.3.56; Phosphatase (non-protein) Chromosomal Location of Human Ortholog: 10q26.3 Cellular Component: membrane; plasma membrane Molecular Function: inositol-polyphosphate 5-phosphatase activity; PH domain binding; protein binding Biological Process: inositol phosphate metabolic process; phosphoinositide dephosphorylation
Research Articles on INPP5A	**1.** NPP5Amay play a role in development and progression of cutaneous squamous cell carcinoma tumors
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/type-i-inositol-145-trisphosphate-5-phosphatase/1489302