



Rabbit Anti-IMPA2 antibody

SL16624R

Product Name:	IMPA2
Chinese Name:	肌醇单磷酸酶2抗体
Alias:	IMP 2; IMP A2; IMP.18P; IMP2; IMPA 2; Impa2; IMPA2_HUMAN; IMPase 2; Inosine monophosphatase 2; Inositol 1; Inositol 1(or 4) monophosphatase 2; Inositol monophosphatase 2; Inositol monophosphatase 2 variant 1; Inositol monophosphatase 2 variant 2; Inositol(myo) 1(or 4) monophosphatase 2; Inositol-1(or 4)-monophosphatase 2; Myo inositol monophosphatase A2; Myo-inositol monophosphatase A2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	31kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human IMPA2:1-100/288
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This locus encodes an inositol monophosphatase. The encoded protein catalyzes the dephosphoylation of inositol monophosphate and plays an important role in phosphatidylinositol signaling. This locus may be associated with susceptibility to

bipolar disorder. [provided by RefSeq, Jan 2011]

Function:

Can use myo-inositol monophosphates, scylloinositol 1,4-diphosphate, glucose-1-phosphate, beta-glycerophosphate, and 2'-AMP as substrates. Has been implicated as the pharmacological target for lithium Li(+) action in brain.

Similarity:

Belongs to the inositol monophosphatase family.

SWISS:

O14732

Gene ID:

3613

Database links:

[Entrez Gene: 3613](#) Human

[Entrez Gene: 114663](#) Mouse

[Entrez Gene: 282636](#) Rat

[Omim: 605922](#) Human

[SwissProt: O14732](#) Human

[SwissProt: Q91UZ5](#) Mouse

[SwissProt: Q8CIN7](#) Rat

[Unigene: 723890](#) Human

[Unigene: 726124](#) Human

[Unigene: 34079](#) Mouse

[Unigene: 441590](#) Mouse

[Unigene: 856](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

