

IMPA2 Antibody (N-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21697a**Specification**

IMPA2 Antibody (N-Term) - Product Information

Application	WB,E
Primary Accession	O14732
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	31321

IMPA2 Antibody (N-Term) - Additional Information**Gene ID** 3613**Other Names**

Inositol monophosphatase 2, IMP 2, IMPase 2, Inositol-1(or 4)-monophosphatase 2, Myo-inositol monophosphatase A2, IMPA2, IMP18P

Target/Specificity

This IMPA2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 48-82 amino acids from human IMPA2.

Dilution

WB~~1:2000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

IMPA2 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

IMPA2 Antibody (N-Term) - Protein Information**Name** IMPA2 ([HGNC:6051](#))**Synonyms** IMP.18P

Function Phosphatase that can use myo-inositol monophosphates, myo- inositol 1,4-diphosphate, scyllo-inositol-1,4-diphosphate, glucose-1- phosphate, beta-glycerophosphate and 2'-AMP as substrates in vitro (PubMed:[17068342](#)). It is likely that IMPA2 has an as yet unidentified in vivo substrate(s) (PubMed:[17068342](#)). Has been implicated as the pharmacological target for lithium (Li(+)) action in brain (PubMed:[17068342](#)).

Cellular Location

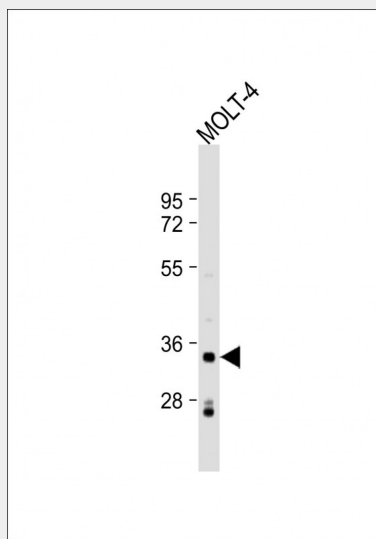
Cytoplasm.

IMPA2 Antibody (N-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IMPA2 Antibody (N-Term) - Images



Anti-IMPA2 Antibody (N-Term) at 1:2000 dilution + MOLT-4 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 31 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

IMPA2 Antibody (N-Term) - Background

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.

IMPA2 Antibody (N-Term) - References

Yoshikawa T.,et al.Mol. Psychiatry 2:393-397(1997).

Sjoeholt G.,et al.Mol. Psychiatry 5:172-180(2000).

Parthasarathy L.,et al.Submitted (OCT-1999) to the EMBL/GenBank/DDBJ databases.

Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.