

# IMPA2 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21697a

## Product Information

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Application	WB, E
Primary Accession	<a href="#">O14732</a>
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53375
Calculated MW	31321

## Additional Information

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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.

## Protein Information

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Name	IMPA2 ( <a href="#">HGNC:6051</a> )
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: <a href="#">17068342</a> ). 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.

## Background

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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.

## References

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

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

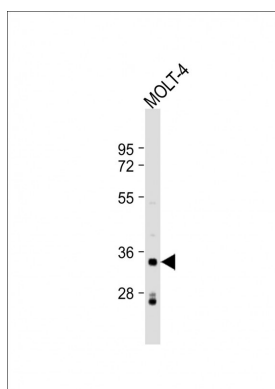
Parthasarathy L.,et al.Submitted (OCT-1999) to the EMBL/GenBank/DDBJ databases.

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.

## Images

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Anti-IMP2 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.