

# IMPAD1 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI12779

## Product Information

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q9NX62</a>
<b>Other Accession</b>	<a href="#">NM_017813</a> , <a href="#">NP_060283</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Bovine
<b>Predicted</b>	Human, Rat, Rabbit, Zebrafish, Chicken, Dog, Guinea Pig
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	38681

## Additional Information

<b>Gene ID</b>	54928
<b>Alias Symbol</b>	FLJ20421, IMPA3, GPAPP, IMP 3, IMP-3
<b>Other Names</b>	Inositol monophosphatase 3, IMP 3, IMPase 3, 3.1.3.25, 3.1.3.7, Golgi 3-prime phosphoadenosine 5-prime phosphate 3-prime phosphatase, Golgi-resident PAP phosphatase, gPAPP, Inositol monophosphatase domain-containing protein 1, Inositol-1(or 4)-monophosphatase 3, Myo-inositol monophosphatase A3, IMPAD1, IMPA3
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	Add 50 ul of distilled water. Final anti-IMPAD1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
<b>Precautions</b>	IMPAD1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

<b>Name</b>	BPNT2 ( <a href="#">HGNC:26019</a> )
<b>Synonyms</b>	IMPA3, IMPAD1
<b>Function</b>	Exhibits 3'-nucleotidase activity toward adenosine 3',5'- bisphosphate (PAP), namely hydrolyzes adenosine 3',5'-bisphosphate into adenosine 5'-monophosphate (AMP) and a phosphate. May play a role in the formation of skeletal elements derived through endochondral ossification, possibly by clearing adenosine 3',5'-bisphosphate produced by Golgi sulfotransferases

during glycosaminoglycan sulfation. Has no activity toward 3'-phosphoadenosine 5'-phosphosulfate (PAPS) or inositol phosphate (IP) substrates including I(1)P, I(1,4)P2, I(1,3,4)P3, I(1,4,5)P3 and I(1,3,4,5)P4.

### Cellular Location

Golgi apparatus. Golgi apparatus, trans-Golgi network membrane; Single-pass type II membrane protein {ECO:0000255, ECO:0000269 | PubMed:18695242}.  
Note=The catalytic core is predicted to reside within the Golgi lumen

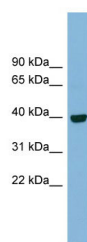
## References

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Zhang,H.,(2003)Nat.Biotechnol.21(6),660-666ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.

## Images

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WB Suggested Anti-IMPAD1 Antibody Titration: 0.2-1  
µg/ml  
ELISA Titer: 1:1562500  
Positive Control: Human Spleen

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