

IMPAD1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12779**Specification**

IMPAD1 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9NX62
Other Accession	NM_017813 , NP_060283
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Bovine, Guinea Pig, Dog
Predicted	Human, Rat, Rabbit, Zebrafish, Chicken, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39kDa KDa

IMPAD1 antibody - N-terminal region - Additional Information**Gene ID** 54928**Alias Symbol** **FLJ20421, IMPA3, GPAPP, IMP 3, IMP-3****Other Names**

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

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

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.

Precautions

IMPAD1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

IMPAD1 antibody - N-terminal region - Protein Information**Name** BPNT2 ([HGNC:26019](#))**Synonyms** IMPA3, IMPAD1**Function**

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

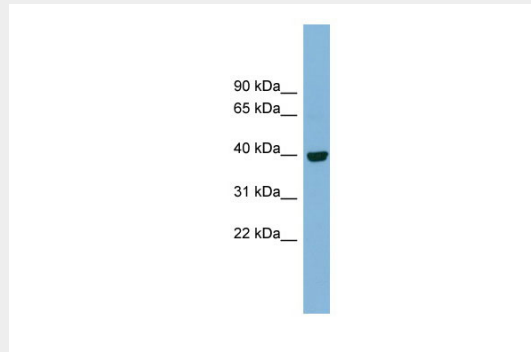
Golgi apparatus. Golgi apparatus, trans-Golgi network membrane; Single-pass type II membrane protein {ECO:0000255, ECO:0000269|PubMed:18695242}. Note=The catalytic core is predicted to reside within the Golgi lumen

IMPAD1 antibody - N-terminal region - 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](#)

IMPAD1 antibody - N-terminal region - Images



WB Suggested Anti-IMPAD1 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:1562500

Positive Control: Human Spleen

IMPAD1 antibody - N-terminal region - References

Zhang, H., (2003) Nat. Biotechnol. 21(6), 660-666 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.