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IMPAD1 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12778

Specification

IMPAD1 antibody - middle region - Product Information

Application	**WB**
Primary Accession	Q9NX62
Other Accession	NM_017813, NP_060283
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Rat, Rabbit, Chicken, Horse, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**39kDa KDa**

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

IMPAD1 antibody - middle 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.

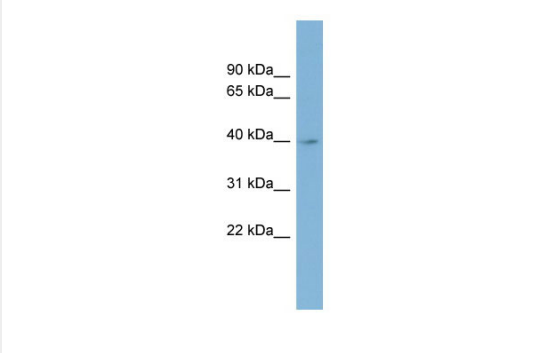
Cellular Location
Golgi apparatus. Golgi apparatus, trans-Golgi network membrane; Single-pass type II membrane protein {ECO:0000255, ECO:0000269|PubMed:18695242}. Note=The catalytic core is predicted to reside within the Golgi lumen

IMPAD1 antibody - middle 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 Cytomety
- Cell Culture

IMPAD1 antibody - middle region - Images



WB Suggested Anti-IMPAD1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: Human Spleen

IMPAD1 antibody - middle region - References

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