

ISYNA1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13605**Specification**

ISYNA1 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9NPH2
Other Accession	NM_016368 , NP_057452
Reactivity	Human, Mouse, Rat, Horse, Yeast, Bovine, Guinea Pig
Predicted	Human, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61kDa KDa

ISYNA1 antibody - N-terminal region - Additional Information**Gene ID** 51477**Alias Symbol** IPS, INO1, INOS, IPS 1, IPS-1**Other Names**

Inositol-3-phosphate synthase 1, IPS 1, 5.5.1.4, Myo-inositol 1-phosphate synthase, MI-1-P synthase, MIP synthase, hIPS, Myo-inositol 1-phosphate synthase A1, hINO1, ISYNA1, INO1

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-ISYNA1 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

ISYNA1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

ISYNA1 antibody - N-terminal region - Protein Information**Name** ISYNA1**Synonyms** INO1**Function**

Key enzyme in myo-inositol biosynthesis pathway that catalyzes the conversion of glucose 6-phosphate to 1-myo-inositol 1-phosphate in a NAD-dependent manner (PubMed:15024000, PubMed:23902760). Rate-limiting enzyme in the synthesis of all inositol-containing compounds (PubMed:15024000).

href="http://www.uniprot.org/citations/15024000" target="_blank">15024000).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P11986}.

Tissue Location

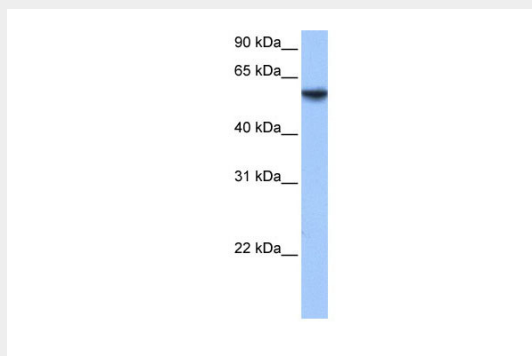
Highly expressed in testis, ovary, heart, placenta and pancreas. Weakly expressed in blood leukocyte, thymus, skeletal muscle and colon.

ISYNA1 antibody - N-terminal region - Protocols

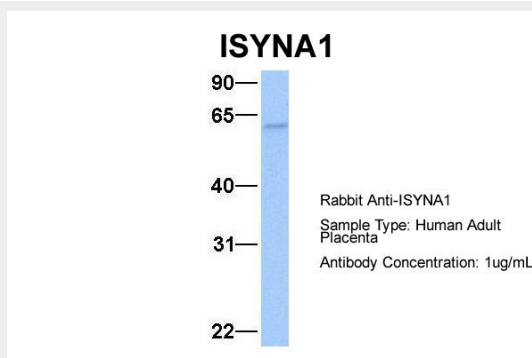
Provided below are standard protocols that you may find useful for product applications.

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

ISYNA1 antibody - N-terminal region - Images



WB Suggested Anti-ISYNA1 Antibody Titration: 0.2-1 µg/ml
Positive Control: Human Lung



Host: Rabbit
Target Name: ISYNA1
Sample Tissue: Human Adult Placenta
Antibody Dilution: 1.0µg/ml

ISYNA1 antibody - N-terminal region - References

Guan G.,et al.Arch. Biochem. Biophys. 417:251-259(2003).
Parthasarathy L.K.,et al.Subcell. Biochem. 39:293-314(2006).
Zhou Y.,et al.Submitted (JUL-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).