

## ARG44485 anti-ISYNA1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ISYNA1
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ISYNA1
Species	Human
Immunogen	Human ISYNA1 recombinant protein
Conjugation	Un-conjugated
Alternate Names	ISYNA1; Inositol-3-Phosphate Synthase 1; Ino1; INOS; IPS; Myo-Inositol 1-Phosphate Synthase A1; Myo-Inositol 1-Phosphate Synthase; MI-1-P Synthase; MIP Synthase; EC 5.5.1.4; IPS 1; Testis Secretory Sperm-Binding Protein Li 200a; IPS-1; HINO1; INO1; HIPS

### Application Instructions

Application table	Application	Dilution
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml

**Application Note** The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

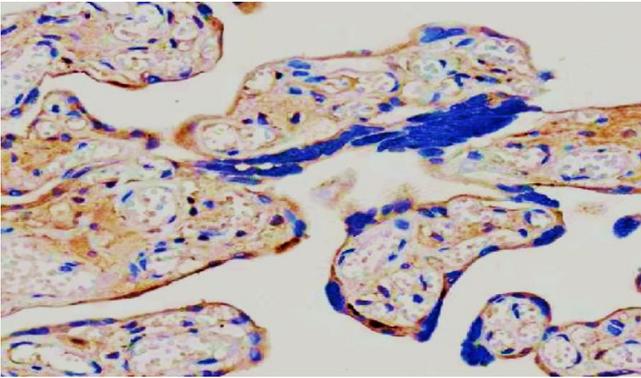
### Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

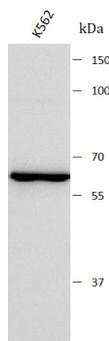
Gene Symbol	ISYNA1
Gene Full Name	Inositol-3-Phosphate Synthase 1
Background	This gene encodes an inositol-3-phosphate synthase enzyme. The encoded protein plays a critical role in the myo-inositol biosynthesis pathway by catalyzing the rate-limiting conversion of glucose 6-phosphate to myoinositol 1-phosphate. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the short arm of chromosome 4.
Function	Key enzyme in myo-inositol biosynthesis pathway that catalyzes the conversion of glucose 6-phosphate to 1-myoinositol 1-phosphate in a NAD-dependent manner.
Calculated Mw	61 kDa
PTM	Phosphoprotein
Cellular Localization	Cytoplasm

## Images



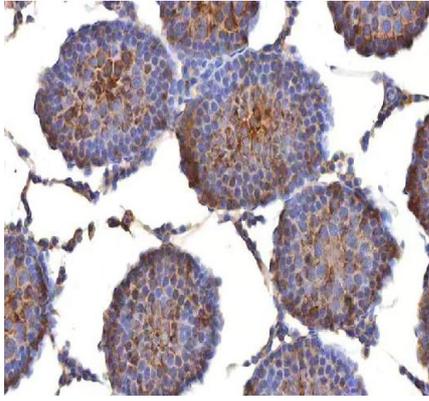
ARG44485 anti-ISYNA1 antibody IHC-P image

Immunohistochemistry: Human placenta stained with ARG44485 anti-ISYNA1 antibody at 2 µg/mL dilution.



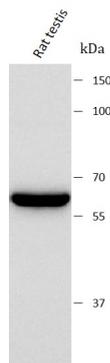
ARG44485 anti-ISYNA1 antibody WB image

Western blot: K562 stained with ARG44485 anti-ISYNA1 antibody at 0.5 µg/mL dilution.



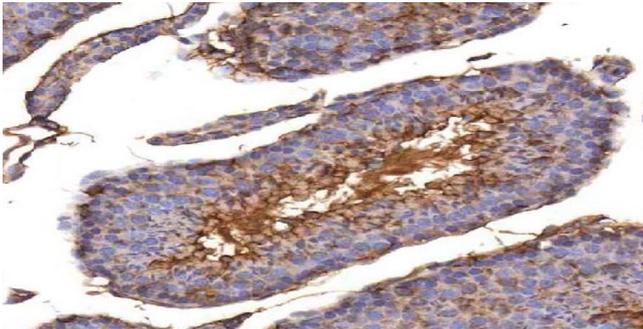
ARG44485 anti-ISYNA1 antibody IHC-P image

Immunohistochemistry: Rat testis stained with ARG44485 anti-ISYNA1 antibody at 2  $\mu\text{g}/\text{mL}$  dilution.



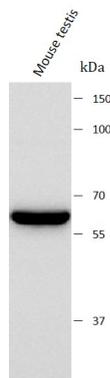
ARG44485 anti-ISYNA1 antibody WB image

Western blot: Rat testis stained with ARG44485 anti-ISYNA1 antibody at 0.5  $\mu\text{g}/\text{mL}$  dilution.



ARG44485 anti-ISYNA1 antibody IHC-P image

Immunohistochemistry: Mouse testis stained with ARG44485 anti-ISYNA1 antibody at 2  $\mu\text{g}/\text{mL}$  dilution.



ARG44485 anti-ISYNA1 antibody WB image

Western blot: Mouse testis stained with ARG44485 anti-ISYNA1 antibody at 0.5  $\mu\text{g}/\text{mL}$  dilution.