

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.	

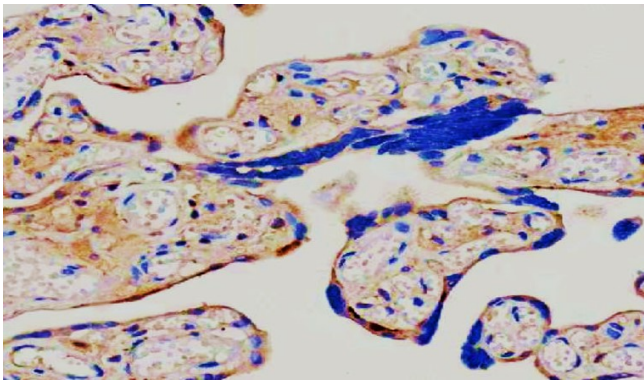
Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 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

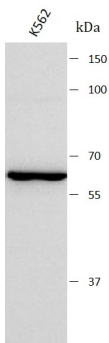
Gene Symbol	ISYNA1
Gene Full Name	Inositol-3-Phosphate Synthase 1
Background	This gene encodes an inositol-3-phosphate synthase enzyme. The encoded protein plays a critical role in the myo-inositol biosynthesis pathway by catalyzing the rate-limiting conversion of glucose 6-phosphate to myoinositol 1-phosphate. 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-myo-inositol 1-phosphate in a NAD-dependent manner.
Calculated Mw	61 kDa
PTM	Phosphoprotein
Cellular Localization	Cytoplasm

Images



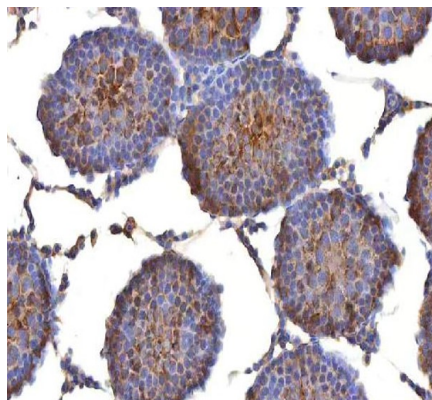
ARG44485 anti-ISYNA1 antibody IHC-P image

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



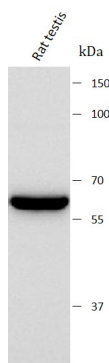
ARG44485 anti-ISYNA1 antibody WB image

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



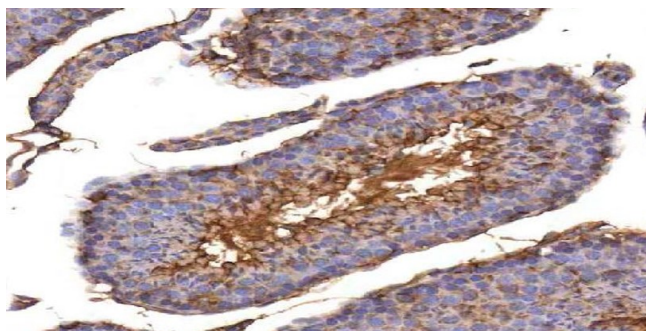
ARG44485 anti-ISYNA1 antibody IHC-P image

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



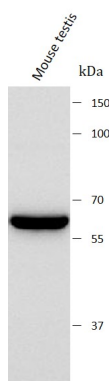
ARG44485 anti-ISYNA1 antibody WB image

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.