

Rabbit ISYNA1 Polyclonal Antibody | anti-ISYNA1 antibody

Anti-ISYNA1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19907	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

ISYNA1; Polyclonal Antibody; Anti-ISYNA1 Antibody Picoband; Serine/threonine-protein kinase AtPK1/AtPK6; 70 kDa ribosomal protein S6 kinase 1 antibody; KS6B1_HUMAN antibody; p70 alpha antibody; P70 beta 1 antibody; p70 ribosomal S6 kinase alpha antibody; p70 ribosomal S6 kinase beta 1 antibody; p70 S6 kinase alpha antibody; P70 S6 Kinase antibody; p70 S6 kinase alpha 1 antibody; p70 S6 kinase alpha 2 antibody; p70 S6K antibody; p70 S6K-alpha antibody; p70 S6KA antibody; p70(S6K) alpha antibody; p70(S6K)-alpha antibody; p70-alpha antibody; p70-S6K 1 antibody; p70-S6K antibody; P70S6K antibody; P70S6K1 antibody; p70S6Kb antibody; PS6K antibody; Ribosomal protein S6 kinase 70kDa polypeptide 1 antibody; Ribosomal protein S6 kinase beta 1 antibody; Ribosomal protein S6 kinase beta-1 antibody; Ribosomal protein S6 kinase I antibody; RPS6KB1 antibody; S6K antibody; S6K-beta-1 antibody; S6K1 antibody; Serine/threonine kinase 14 alpha antibody; Serine/threonine-protein kinase 14A antibody; STK14A antibody; anti-ISYNA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Expressed in all tissues.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-ISYNA1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Application Notes	WB: 0.1-0.25ug/ml, Human, Mouse, Rat IHC: 2-5ug/ml, Human, Mouse, Rat ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human ISYNA1 recombinant protein (Position: Q24-H454). Human ISYNA1 shares 91.6% and 92.8% amino acid (aa) sequence identity with mouse and rat ISYNA1, respectively.
Subcellular Localization	Cytoplasm, Nucleus
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross reactivity with other proteins.
Protein Function	Downstream effector of TOR signaling pathway involved in osmotic stress response. Could be involved in the control of plant growth and development. Phosphorylates the ribosomal proteins P14, P16 and S6. Functions as a repressor of cell proliferation and required for maintenance of chromosome stability and ploidy levels through the RBR1-E2F pathway.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

ADDITIONAL INFORMATION

Related Product Information for anti-ISYNA1 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-ISYNA1 antibody	Primary Antibodies; Signal Transduction; Signaling Pathway; Small G Proteins
References	1. Guan, G., Dai, P., Shechter, I. cDNA cloning and gene expression analysis of human myo-inositol 1-phosphate synthase. Arch. Biochem. Biophys. 417: 251-259, 2003.2. Seelan, R. S., Parthasarathy, L. K., Parthasarathy, R. N. E2F1 regulation of the human myo-inositol 1-phosphate synthase (ISYNA1) gene promoter. Arch. Biochem. Biophys. 431: 95-106, 2004.

NCBI AND UNIPROT INFORMATION

NCBI GI #	283135176
NCBI GeneID	51477
NCBI Accession #	NP_001164409.1
NCBI GenBank Nucleotide #	NM_001170938.1
UniProt Accession #	Q9NPH2; Q6NXT5; Q7Z525; Q9BT65; Q9H2Y2; Q9NSU0; Q9NVW7; B3KRT1; G5E9U0
Molecular Weight	61,068 Da
NCBI Official Full Name	inositol-3-phosphate synthase 1 isoform 2
NCBI Official Synonym Full Names	inositol-3-phosphate synthase 1
NCBI Official Symbol	ISYNA1
NCBI Official Synonym Symbols	IPS; INO1; INOS; IPS 1; IPS-1
NCBI Protein Information	inositol-3-phosphate synthase 1; MIP synthase; MI-1-P synthase; myo-inositol 1-phosphate synthase A1
UniProt Protein Name	Inositol-3-phosphate synthase 1
UniProt Gene Name	ISYNA1
UniProt Synonym Gene Names	INO1; IPS 1; MI-1-P synthase; MIP synthase; hIPS; hINO1
UniProt Entry Name	INO1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/isyna1-antibody-western-blot-immunohistochemistry-elisa/19907>