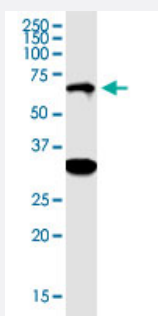


ISYNA1 polyclonal antibody (A01)

Catalog # H00051477-A01

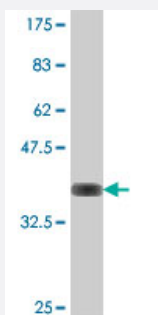
Size 50 uL

Applications



Western Blot (Cell lysate)

ISYNA1 polyclonal antibody (A01), Lot # 051123JC01 Western Blot analysis of ISYNA1 expression in Y-79 (Cat # L042V1).



Western Blot detection against Immunogen (37.11 KDa) .

Specification

Product Description

Mouse polyclonal antibody raised against a partial recombinant ISYNA1.

Immunogen

ISYNA1 (NP_057452, 331 a.a. ~ 430 a.a) partial recombinant protein with GST tag.

Sequence

SYNHLGNNDGENLSAPLQFRSKEVSKSNVVDDMVQSNPVLVTPGEEPDCVVIKVPYPVVGDSKR
ALDEYTSMLGGTNTLVLHNTCEDSLLAAPIMLDL

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (93); Rat (95)

Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.11 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

ISYNA1 polyclonal antibody (A01), Lot # 051123JC01 Western Blot analysis of ISYNA1 expression in Y-79 (Cat # L042V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — ISYNA1

Entrez GeneID	51477
GeneBank Accession#	NM_016368
Protein Accession#	NP_057452
Gene Name	ISYNA1
Gene Alias	INOS, IPS, Ino1
Gene Description	inositol-3-phosphate synthase 1
Omim ID	611670
Gene Ontology	Hyperlink
Gene Summary	Myoinositol, the most common naturally occurring form of inositol, is a component of plasma membrane phospholipids and functions as a cell signaling molecule. ISYNA1 (EC 5.5.1.4), or IPS, is a rate-limiting enzyme that catalyzes the de novo synthesis of myoinositol 1-phosphate from glucose 6-phosphate (Seelan et al., 2004 [PubMed 15464731]).[supplied by OMIM]
Other Designations	myo-inositol 1-phosphate synthase A1

Publication Reference

- [Myo-inositol phosphate synthase expression in the European eel \(*Anguilla anguilla*\) and Nile tilapia \(*Oreochromis niloticus*\): effect of seawater acclimation.](#)

Kalujnaia S, Hazon N, Cramb G.

American Journal of Physiology. Regulatory, Integrative and Comparative Physiology 2016 Aug; 311(2):R287.

Application: IF, WB-Ti, Eel, Gill, Fin, Kidney, Intestine, Skin

Pathway

- [Inositol phosphate metabolism](#)
- [Metabolic pathways](#)
- [Streptomycin biosynthesis](#)