

Datasheet for ABIN2785533
anti-ISYNA1 antibody (N-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	ISYNA1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Horse, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ISYNA1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ISYNA1
Sequence:	LQEQLWPHME ALRPRPSVYI PEFIAANQSA RADNLIPGSR AQQLEQIRRD
Predicted Reactivity:	Cow: 86%, Guinea Pig: 93%, Horse: 86%, Human: 100%, Mouse: 86%, Rat: 86%, Yeast: 92%
Characteristics:	This is a rabbit polyclonal antibody against ISYNA1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ISYNA1
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Target Details

Alternative Name:	ISYNA1 (ISYNA1 Products)
Background:	<p>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. 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].</p> <p>Alias Symbols: IPS, INO1, INOS, IPS 1, IPS-1</p> <p>Protein Interaction Partner: TRAF4, UBC, DUSP14, POT1, PPP2CA,</p> <p>Protein Size: 558</p>
Molecular Weight:	61 kDa
Gene ID:	51477
NCBI Accession:	NM_016368 , NP_057452
UniProt:	Q9NPH2

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 558 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-ISYNA1 Antibody Titration:

0.2-1 ug/ml

Positive Control: Human Lung