# antibodies - online.com







# anti-ISYNA1 antibody (N-Term)



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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	

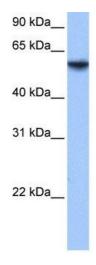
## Target Details

Alternative Name:	ISYNA1 (ISYNA1 Products)		
Background:	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].		
	Alias Symbols: IPS, INO1, INOS, IPS 1, IPS-1		
	Protein Interaction Partner: TRAF4, UBC, DUSP14, POT1, PPP2CA,		
	Protein Size: 558		
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.		
	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