

Datasheet for ABIN2777759 anti-NFS1 antibody (Middle Region)

1 Image



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Quantity:	100 μL
Target:	NFS1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Horse, Dog, Rabbit, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFS1 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human NFS1
Sequence:	TTQTEHKCVL DSCRSLEAEG FQVTYLPVQK SGIIDLKELE AAIQPDTSLV
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%, Yeast: 92%
Characteristics:	This is a rabbit polyclonal antibody against NFS1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified
Target Details	
Target:	NFS1

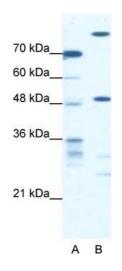
Target Details

Alternative Name:	NFS1 (NFS1 Products)	
Background:	Iron-sulfur clusters are required for the function of many cellular enzymes. The protein encoded	
	by this gene supplies inorganic sulfur to these clusters by removing the sulfur from cysteine,	
	creating alanine in the process. This gene uses alternate in-frame translation initiation sites to	
	generate mitochondrial forms and cytoplasmic/nuclear forms. Selection of the alternative	
	initiation sites is determined by the cytosolic pH . The encoded protein belongs to the class-V	
	family of pyridoxal phosphate-dependent aminotransferases. Two transcript variants encoding	
	two different isoforms have been found for this gene.	
	Alias Symbols: IscS, NIFS, HUSSY-08	
	Protein Interaction Partner: UBC, HDAC5,	
	Protein Size: 457	
Molecular Weight:	50 kDa	
Gene ID:	9054	
NCBI Accession:	NM_021100, NP_066923	
UniProt:	Q9Y697	
Pathways:	Transition Metal Ion Homeostasis	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 457 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

Handling Advice:	Avoid repeated freeze-thaw cycles.
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-NFS1 Antibody Titration: 0.3125ug/ml Positive Control: Jurkat cell lysate NFS1 is supported by BioGPS gene expression data to be expressed in Jurkat