

Datasheet for ABIN2777759
anti-NFS1 antibody (Middle Region)



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1 Image

Overview

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
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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