

Datasheet for ABIN953697

anti-NFS1 antibody (Middle Region)[Go to Product page](#)**1** Image

Overview

Quantity:	0.4 mL
Target:	NFS1
Binding Specificity:	AA 120-149, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFS1 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the central region (between 120-149aa) of human NFS1
Isotype:	Ig Fraction
Specificity:	This antibody recognizes human NFS1.
Purification:	Purified through a Protein A column followed by peptide affinity purification

Target Details

Target:	NFS1
Alternative Name:	NFS (NFS1 Products)
Background:	Iron-sulfur clusters are required for the function of many cellular enzymes. The proteins

Target Details

encoded by this gene supply 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 proteins belong to the class-V family of pyridoxal phosphate-dependent aminotransferases. Alternatively spliced transcript variants have been described.Synonyms: Cysteine desulfurase, HUSSY-08, NIFS

Molecular Weight: 50196 Da

Gene ID: 9054

NCBI Accession: [NP_001185918](#)

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) Sodium azide

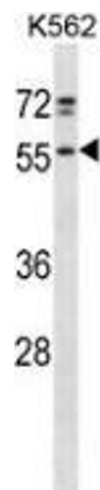
Preservative: Sodium azide

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 freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis in K562 cell line lysates (35ug/lane) using NFS Antibody . This demonstrates this antibody detected the NFS1 protein (arrow).