ARG56331
anti-NFS1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NFS1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NFS1
Species	Human
Immunogen	Recombinant protein of Human NFS1
Conjugation	Un-conjugated
Alternate Names	HUSSY-08; NIFS; EC 2.8.1.7; IscS; Cysteine desulfurase, mitochondrial

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
IHC-P	1:50 - 1:200
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: Rat liver

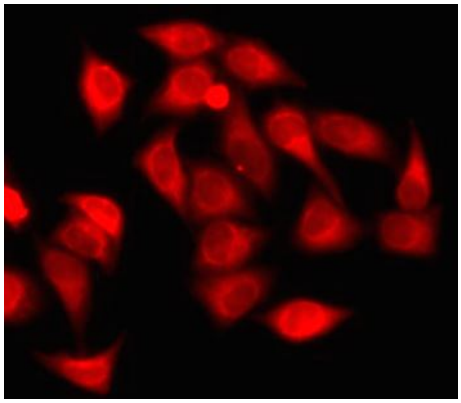
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

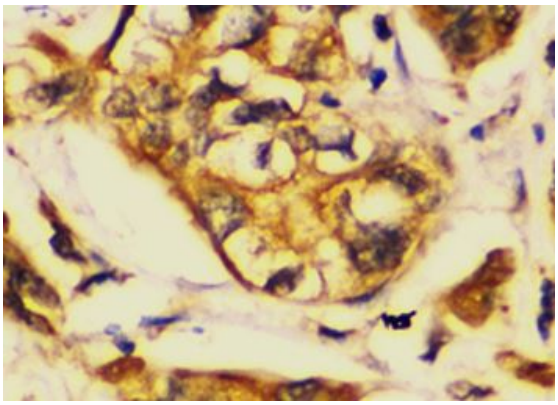
Database links	GeneID: 18041 Mouse GeneID: 9054 Human Swiss-port # Q9Y697 Human Swiss-port # Q9Z1J3 Mouse
Gene Symbol	NFS1
Gene Full Name	NFS1 cysteine desulfurase
Background	Iron-sulfur clusters are required for the function of many cellular enzymes. The proteins encoded by this gene supply inorganic 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. [provided by RefSeq, Nov 2010]
Function	Catalyzes the removal of elemental sulfur from cysteine to produce alanine. It supplies the inorganic sulfur for iron-sulfur (Fe-S) clusters. May be involved in the biosynthesis of molybdenum cofactor. [UniProt]
Calculated Mw	50 kDa

Images



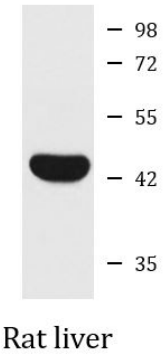
ARG56331 anti-NFS1 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG56331 anti-NFS1 antibody.



ARG56331 anti-NFS1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver cancer stained with ARG56331 anti-NFS1 antibody at 1:100 dilution.



ARG56331 anti-NFS1 antibody WB image

Western blot: Rat liver lysate stained with ARG56331 anti-NFS1 antibody.