

Rabbit NFS1 Polyclonal Antibody | anti-NFS1 antibody

NFS1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA281042	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

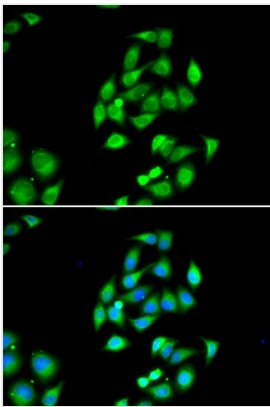
PRODUCT SYNONYMS

NFS1; Polyclonal Antibody; NFS1 Polyclonal Antibody; HUSSY-08; IscS; NIFS; anti-NFS1 antibody

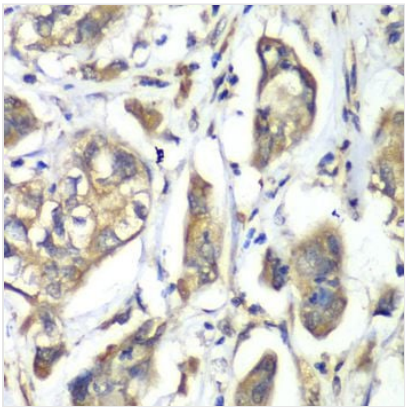
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence	EIGVKQPIAE IGRICSSRKV YFHTDAAQAV GKIPLDVNDM KIDLMSISGH KIYGPKG VGA IYIRRRPRVR VEALQSGGGQ ERGMRS GTVP TPLVVGLGAA CEVAQQEMEY DHKRISK LSE RLIQNIMKSL PDVVMNGDPK HHYPGCINLS FAYVEGESLL MALKDVALSS GSACTSASLE PSYVLRAIGT DEDLAHSSIR FGIGRFTTEE EVDYTV EKCI QHVKRLREMS PLWEMVQDGI DLKSIKWTQH
Sequence Length	406
Applicable Applications for anti-NFS1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human NFS1
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Cytoplasm, Mitochondrion, Nucleus
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

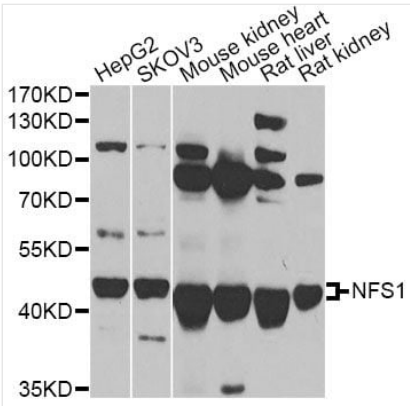
IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cells using NFS1 antibody. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human liver cancer using NFS1 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using NFS1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 15s.

ADDITIONAL INFORMATION

Related Product Information for anti-NFS1 antibody	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.
Product Categories/Family for anti-NFS1 antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	312222769
NCBI GeneID	9054
NCBI Accession #	NP_001185918.1
NCBI GenBank Nucleotide #	NM_001198989.1
UniProt Accession #	Q9Y697; Q6P0L8; Q9NTZ5; Q9Y481; B3KMA5; B4DXK9; E1P5R8; F5GYK5

Molecular Weight	Calculated: 44kDa; 50kDa Observed: 50kDa
NCBI Official Full Name	cysteine desulfurase, mitochondrial isoform b
NCBI Official Synonym Full Names	NFS1, cysteine desulfurase
NCBI Official Symbol	NFS1
NCBI Official Synonym Symbols	IscS; NIFS; HUSSY-08
NCBI Protein Information	cysteine desulfurase, mitochondrial
UniProt Protein Name	Cysteine desulfurase, mitochondrial
UniProt Gene Name	NFS1
UniProt Synonym Gene Names	NIFS

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/nfs1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/281042>