

## Rabbit anti-Human, Mouse NFS1 Polyclonal Antibody | anti-NFS1 antibody

NFS1 Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                   |
|-----------|--------|--------------|----------------------------------------------------------------|
| AAA231835 | Rabbit | Human, Mouse | Immunoprecipitation, Immunohistochemistry, Western Blot, ELISA |

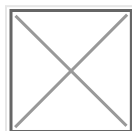
### PRODUCT SYNONYMS

NFS1; Polyclonal Antibody; NFS1 Antibody; Cysteine desulfurase; mitochondrial; NIFS; HUSSY-08; anti-NFS1 antibody

### PRODUCT SPECIFICATIONS

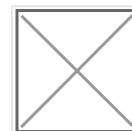
|                                                |                                                                                                                |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                         |
| Reactivity                                     | Human, Mouse                                                                                                   |
| Clonality                                      | Polyclonal                                                                                                     |
| Isotype                                        | IgG                                                                                                            |
| Purity/Purification                            | Antigen Affinity Purified                                                                                      |
| Form/Format                                    | Liquid                                                                                                         |
| Sequence Length                                | 406                                                                                                            |
| Applicable Applications for anti-NFS1 antibody | IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot), ELISA                                 |
| Species                                        | Human                                                                                                          |
| Immunogen                                      | Recombinant human Cysteine desulfurase, mitochondrial protein (C-250AA)                                        |
| Conjugate                                      | Non-conjugated                                                                                                 |
| Buffer                                         | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                              |
| Santa Cruz Alternative                         | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-85785 / sc-85784 / sc-85786 / sc-98420 |
| Preparation and Storage                        | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze. |

### IMAGES



#### IP (Immunoprecipitation)

Immunoprecipitating NFS1 in HeLa whole cell lysate  
Lane 1: Rabbit monoclonal IgG(1ug) instead of AAA231835 in HeLa whole cell lysate. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the Secondary antibody (1/50000)  
Lane 2: AAA231835(4ug)+ HeLa whole cell lysate(500ug)  
Lane 3: HeLa whole cell lysate (20ug)



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon cancer tissue using AAA231835 at dilution 1:100



**WB (Western Blot)**

Western blotAll lanes: NFS1 antibody at 6,21ug/mlLane 1:HepG2 whole cell lysateLane 2:Hela whole cell lysateLane 3:mouse kidney tissueLane 4:K562 whole cell lysateSecondaryGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 51,45 kDaObserved band size: 50 kDa,85 kDa

**ADDITIONAL INFORMATION**

|                                                    |                                                                                                                                                                                                           |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-NFS1 antibody | 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. |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**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                 | 44,362 Da                                                      |
| 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                | <b>NFS1</b>                                                    |
| UniProt Synonym Gene Names       | NIFS                                                           |
| UniProt Entry Name               | NFS1_HUMAN                                                     |

**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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nfs1-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/231835>