

# NFS1 Rabbit Polyclonal Antibody



CAB13385

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

50kDa

### Calculated MW:

44kDa/50kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein 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.

## Immunogen information

### Gene ID:

9054

### Uniprot

Q9Y697

### Synonyms:

NFS1; HUSSY-08; IscS; NIFS

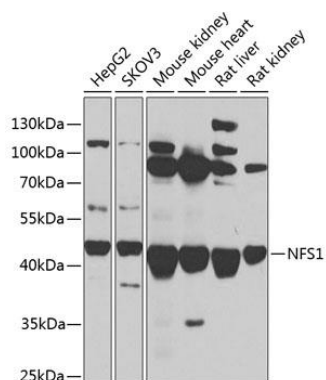
### Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 208-457 of human NFS1 (NP\_066923.3).

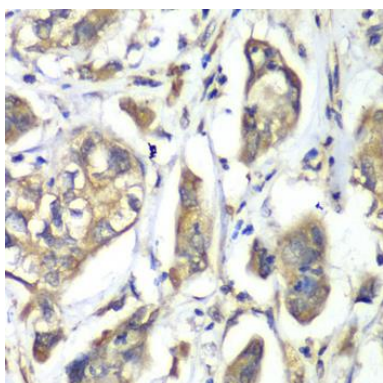
### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

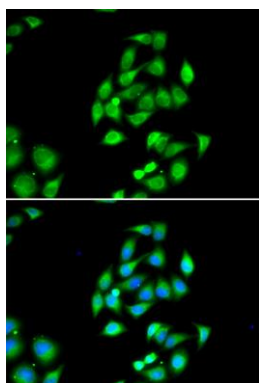
## Product Images



Western blot analysis of extracts of various cell lines, using NFS1 antibody (CAB13385) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 15s.



Immunohistochemistry of paraffin-embedded human liver cancer using NFS1 antibody (CAB13385) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of HeLa cells using NFS1 antibody (CAB13385). Blue: DAPI for nuclear staining.