

## NFS1

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

**Calculated MW:**50kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human NFS1

**Storage Buffer:**

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

**Synonym:**

IscS; NIFS; HUSSY-08;

**Catalog #:**A6668

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**9054

**Isotype:**IgG

**Swiss Prot:**Q9Y697

**Purity:**Affinity purification

For research use only.

**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.

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