

bs-19227R**[Primary Antibody]****NFS1 Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Rat, Pig, Cow, Chicken, Dog, Horse, Saccharomyces cerevisiae) Predicted MW.: 50 kDa Subcellular Location: Cytoplasm ,Nucleus
Clonality: Polyclonal		
GeneID: 9054	SWISS: Q9Y697	
Target: NFS1		
Immunogen: KLH conjugated synthetic peptide derived from human NFS1: 261-360/457. < Cytoplasmic >		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
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]		

— SELECTED CITATIONS —

- **[IF=2.9]** Jiang You. et al. NFS1 inhibits ferroptosis in gastric cancer by regulating the STAT3 pathway. J BIOENERG BIOMEMBR. 2024 Sep;;1-15 WB ;Human,Mouse. 39254861