

Product datasheet for TA805820

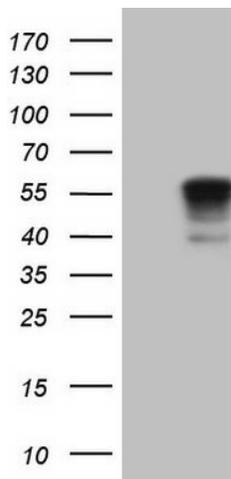
NFS1 Mouse Monoclonal Antibody [Clone ID: OTI5D1]

Product data:

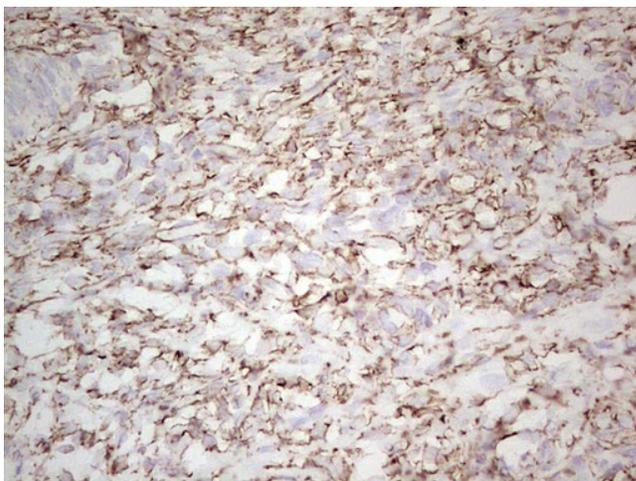
Product Type:	Primary Antibodies
Clone Name:	OTI5D1
Applications:	IHC, WB
Recommend Dilution:	WB 1:500, IHC 1:150
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-299 of human NFS1(NP_066923) produced in E.coli.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	50 kDa
Gene Name:	NFS1 cysteine desulfurase
Database Link:	NP_066923 Entrez Gene 9054 Human
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
Synonyms:	HUSSY-08; IscS; NIFS
Protein Pathways:	Thiamine metabolism



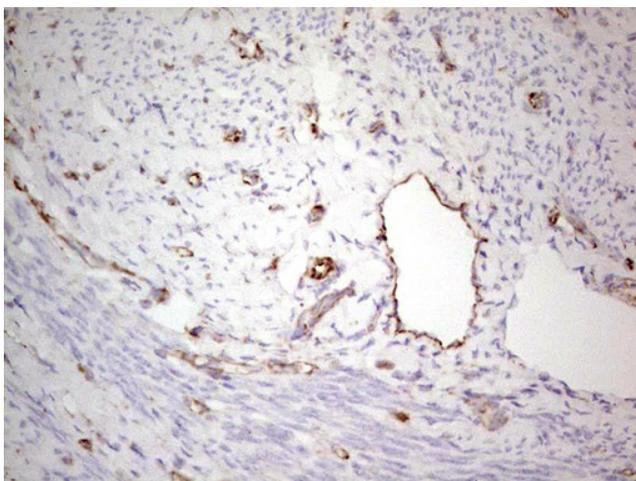
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Product images:

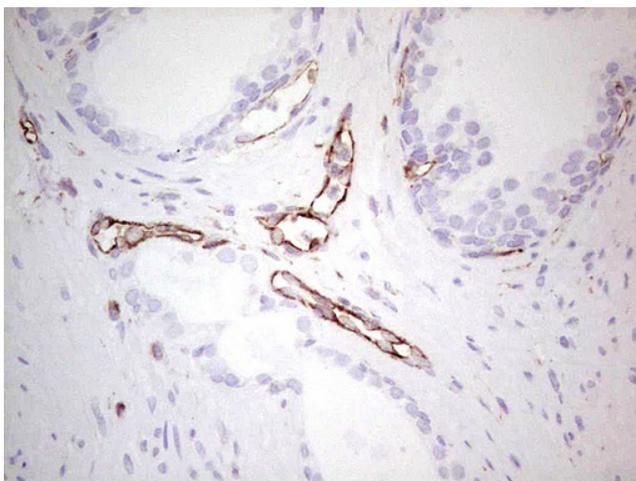
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NFS1 ([RC209405], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NFS1. Positive lysates [LY412089] (100ug) and [LC412089] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human Ovary tissue within the normal limits using anti-NFS1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805820)



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-NFS1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805820)



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-NFS1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805820)