

Product datasheet for **TA803397AM**

ISCU Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI4F5]

Product data:

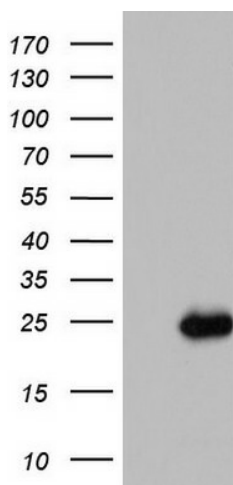
Product Type:	Primary Antibodies
Clone Name:	OTI4F5
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human ISCU (NP_055116) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	15.1 kDa
Gene Name:	iron-sulfur cluster assembly enzyme
Database Link:	NP_055116 Entrez Gene 66383 Mouse Entrez Gene 288740 Rat Entrez Gene 23479 Human Q9H1K1
Background:	Iron-sulfur (Fe-S) clusters are necessary for several mitochondrial enzymes and other subcellular compartment proteins. They contain sulfur and iron, and are created via several steps that include cysteine desulfurases, iron donors, chaperones, and scaffold proteins. This gene encodes the two isomeric forms, ISCU1 and ISCU2, of the Fe-S cluster scaffold protein. Mutations in this gene have been found in patients with myopathy with severe exercise intolerance and myoglobinuria. [provided by RefSeq, Jul 2008]



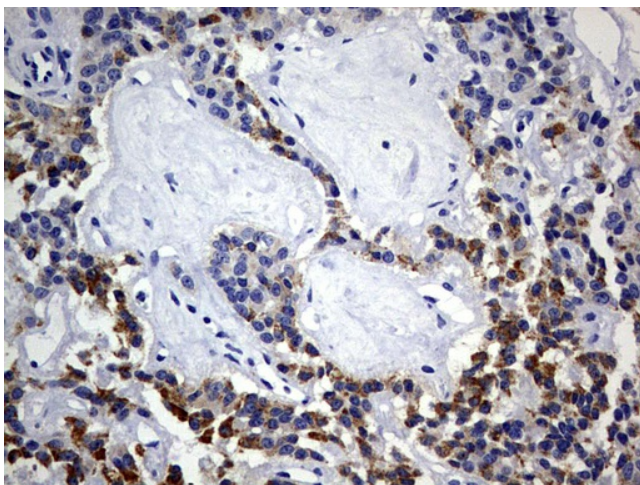
[View online »](#)

Synonyms: 2310020H20Rik; HML; hnifU; ISU2; NIFU; NIFUN

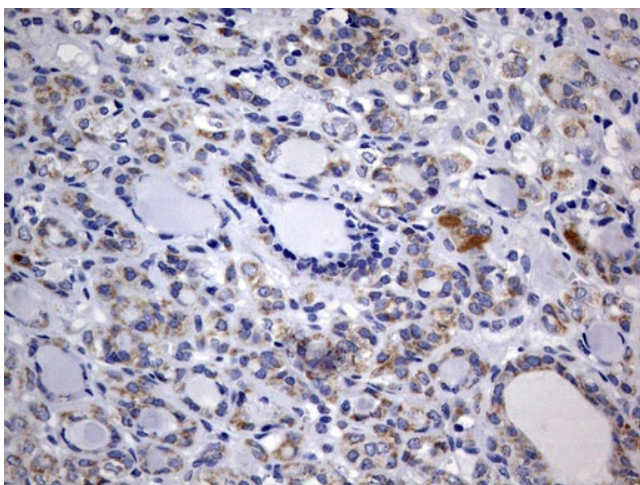
Product images:



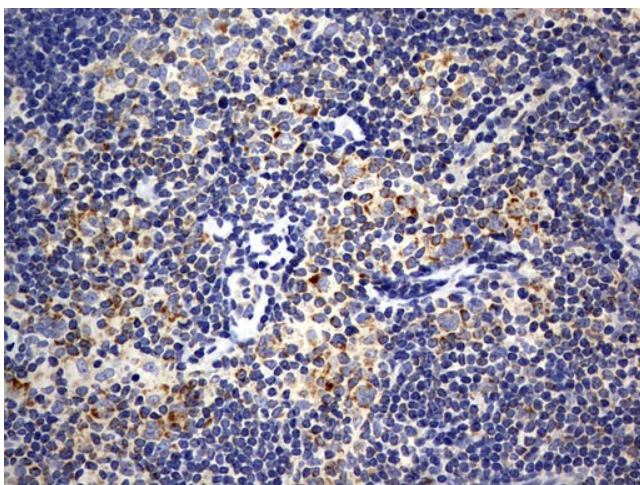
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ISCU (Cat# [RC212031], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ISCU (Cat# [TA803397]). Positive lysates [LY429414] (100ug) and [LC429414] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-ISCU mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA803397])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-ISCU mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA803397])



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-ISCU mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA803397])