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Product datasheet for TA812909AM

Cytoglobin (CYGB) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI5G1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI5G1
Applications:	WB
Recommended Dilution:	WB 1:250~500
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CYGB (NP_599030) produced in HEK293T cell.
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:	21.2 kDa
Gene Name:	cytoglobin
Database Link:	NP_599030 Entrez Gene 114757 Human Q8WWM9
Background:	This gene encodes a globin protein found in vertebrate cells. The encoded protein is described as a hexacoordinate hemoglobin which binds ligand differently from the pentacoordinate hemoglobins involved in oxygen transport, and may be involved in protection during oxidative stress. This gene is located on chromosome 17 in the same region as a retinal gene which is mutated in progressive rod-cone degeneration, but in the opposite orientation. [provided by RefSeq, Jan 2012]

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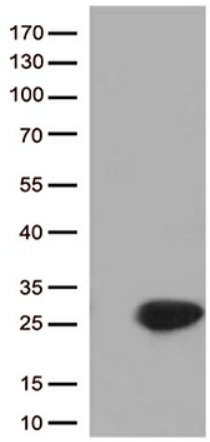
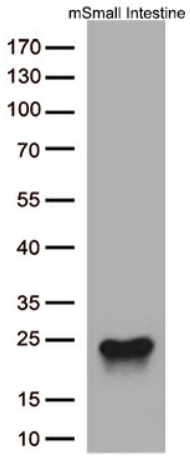
Synonyms: HGB; STAP

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CYGB ([RC206642], 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-CYGB (1:500).



Western blot analysis of extracts (35ug) from 1 tissue lysates by using anti-CYGB monoclonal antibody (1:250).