



HEM1 mouse mAb

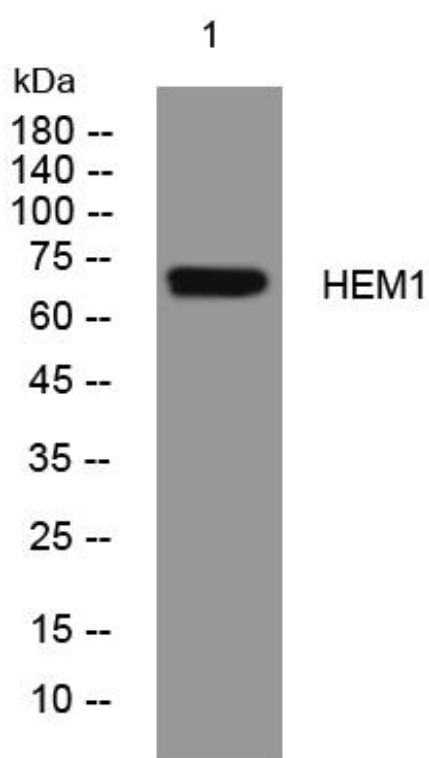
Catalog No	YP-mAb-08412
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	ALAS1 ALAS3 ALASH OK/SW-cl.121
Protein Name	HEM1
Immunogen	Synthesized peptide derived from human HEM1 AA range: 87-137
Specificity	This antibody detects endogenous levels of HEM1 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Mitochondrion inner membrane ; Peripheral membrane protein . Localizes to the matrix side of the mitochondrion inner membrane. .
Tissue Specificity	
Function	catalytic activity:Succinyl-CoA + glycine = 5-aminolevulinate + CoA + CO(2).,cofactor:Pyridoxal phosphate.,miscellaneous:There are two delta-ALA synthetase in vertebrates: an erythroid- specific form and one (housekeeping) which is expressed in all tissues.,pathway:Porphyrin metabolism; protoporphyrin-IX biosynthesis; 5-aminolevulinate from glycine: step 1/1.,similarity:Belongs to the class-II pyridoxal-phosphate-dependent aminotransferase family.,subunit:Homodimer.,
Background	This gene encodes the mitochondrial enzyme which is catalyzes the rate-limiting step in heme (iron-protoporphyrin) biosynthesis. The enzyme encoded by this gene is the housekeeping enzyme; a separate gene encodes a form of the enzyme that is specific for erythroid tissue. The level of the mature encoded protein is regulated by heme: high levels of heme down-regulate the mature enzyme in mitochondria while low heme levels up-regulate. A pseudogene of this gene is located on chromosome 12. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2015],

**matters needing attention**

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

Western Blot analysis of various cells using HEM1 mouse mAb