



HEM1 rabbit pAb

Catalog No	YP-Ab-08412
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	WB
Gene Name	ALAS1 ALAS3 ALASH OK/SW-cl.121
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	Polyclonal, Rabbit, IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	493568P13Rik; AI46383; HEM1; Hematopoietic protein 1; HEMATOPOIETIC PROTEIN HEM-1; Hemp1; Membrane associated protein hem1; Membrane-associated protein HEM-1; NCK associated protein 1 like; Nck-associated protein 1-like; NCKAP1L; NCKPL_HUMAN; ALAS1 ALAS3 ALASH OK/SW-cl.121
Observed Band	
Calculated Molecular Weight	
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],

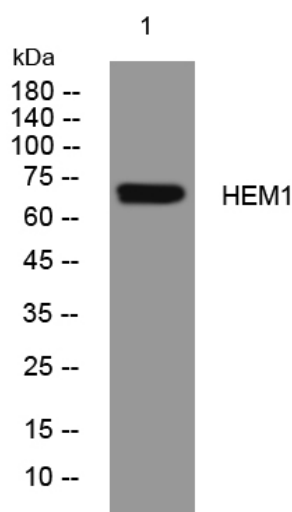
matters needing attention

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 lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night