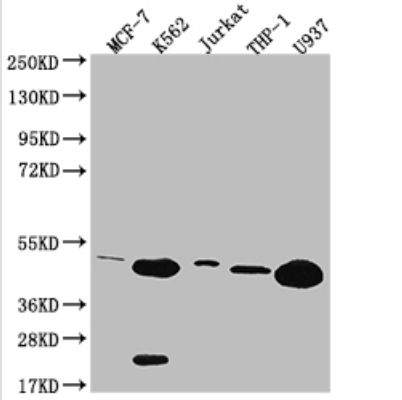
HMBS Recombinant Monoclonal Antibody

Product Code	CSB-RA998378A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P08397
Immunogen	A synthesized peptide derived from human HMBS
Species Reactivity	Human
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:2000
Relevance	As part of the heme biosynthetic pathway, catalyzes the sequential polymerization of four molecules of porphobilinogen to form hydroxymethylbilane, also known as preuroporphyrinogen (PubMed:18936296, PubMed:19138865, PubMed:23815679). Catalysis begins with the assembly of the dipyrromethane cofactor by the apoenzyme from two molecules of porphobilinogen or from preuroporphyrinogen. The covalently linked cofactor acts as a primer, around which the tetrapyrrole product is assembled. In the last step of catalysis, the product, preuroporphyrinogen, is released, leaving the cofactor bound to the holodeaminase intact (PubMed:18936296). {ECO:0000269|PubMed:18936296, ECO:0000269|PubMed:19138865, ECO:0000269|PubMed:23815679}.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Cell biology; Metabolism; Signal transduction
Target Names	HMBS
Clone No.	8G12
Image	



Western Blot
Positive WB detected in: MCF-7 whole cell lysate, K562 whole cell lysate, Jurkat whole cell lysate, THP-1 whole cell lysate, U937 whole cell lysate
All lanes: HMBS antibody at 1:2000
Secondary
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 40, 38, 35, 34kDa
Observed band size: 36-55 kDa

Usage

For Research Use Only. Not for use in diagnostic or therapeutic procedures.