

Anti-HMBS Antibody (1J975)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	1J975
Purification:	Affinity-chromatography

Applications

	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
Verified Activity:	-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
Application:	ELISA,WB
Recommended	WB:1:500-1:2000.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human HMBS
Antigen Species:	Human
Gene ID:	3145
Uniprot ID:	P08397
Synonyms:	PBG-D;Pre-Uroporphyrinogen Synthase;UPS;Porphobilinogen Deaminase;HMBS;PBGD;Hydroxymethylbilane Synthase
Biology Area:	Cell biology, Metabolism, Signal transduction

Research Background

As part of the heme biosynthetic pathway, catalyzes the sequential polymerization of four molecules of porphobilinogen to form hydroxymethylbilane, also known as preuroporphyrinogen. 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481