

Anti-HMBS Rabbit Monoclonal Antibody
Catalog # ABO13412**Specification**

Anti-HMBS Rabbit Monoclonal Antibody - Product Information

Application	WB
Primary Accession	P08397
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-HMBS Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Anti-HMBS Rabbit Monoclonal Antibody - Additional Information

Gene ID 3145

Other Names

Porphobilinogen deaminase, PBG-D, 2.5.1.61, Hydroxymethylbilane synthase, HMBS, Pre-uroporphyrinogen synthase, HMBS, PBGD, UPS

Calculated MW

39330 MW KDa

Application Details

WB 1:500-1:2000

Subcellular Localization

Cytoplasm.

Tissue Specificity

Isoform 1 is ubiquitously expressed. Isoform 2 is found only in erythroid cells..

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human HMBS

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated

freeze-thaw cycles.

Anti-HMBS Rabbit Monoclonal Antibody - Protein Information

Name HMBS

Synonyms PBGD, UPS

Function

As part of the heme biosynthetic pathway, catalyzes the sequential polymerization of four molecules of porphobilinogen to form hydroxymethylbilane, also known as preuroporphyrinogen (PubMed:18004775, 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 (PubMed:18936296). In the last step of catalysis, the product, preuroporphyrinogen, is released, leaving the cofactor bound to the holodeaminase intact (PubMed:18936296).

Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:P22907}

Tissue Location

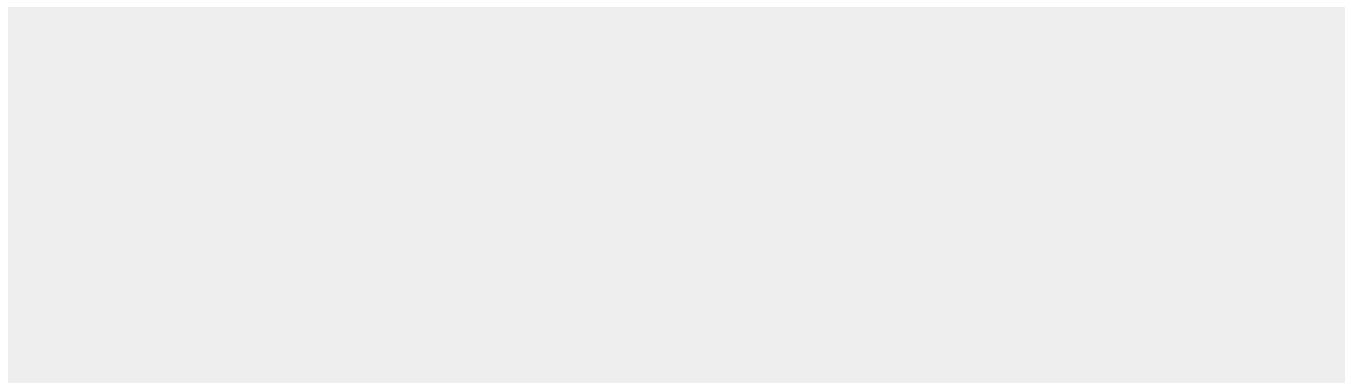
[Isoform 1]: Is ubiquitously expressed.

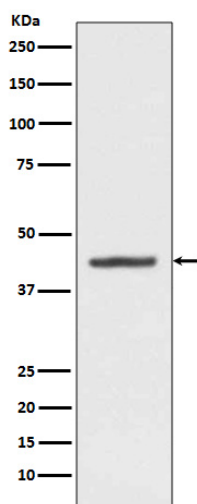
Anti-HMBS Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-HMBS Rabbit Monoclonal Antibody - Images





Western blot analysis of HMBS expression in HepG2 cell lysate.