

HMBS rabbit monoclonal antibody

Catalog # H00003145-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human HMBS peptide using ARM Technology.
Immunogen	A synthetic peptide of human HMBS is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human HMBS peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — HMBS

Entrez GeneID	3145
GeneBank Accession#	HMBS
Gene Name	HMBS
Gene Alias	PBG-D, PBGD, UPS
Gene Description	hydroxymethylbilane synthase
Omim ID	176000 609806
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the hydroxymethylbilane synthase superfamily. The encoded protein is the third enzyme of the heme biosynthetic pathway and catalyzes the head to tail condensation of four porphobilinogen molecules into the linear hydroxymethylbilane. Mutations in this gene are associated with the autosomal dominant disease acute intermittent porphyria. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq]
Other Designations	porphobilinogen deaminase pre-uroporphyrinogen synthase uroporphyrinogen I synthase uroporphyrinogen I synthetase

Pathway

- [Metabolic pathways](#)
- [Porphyrin and chlorophyll metabolism](#)

Disease

- [Abdominal Pain](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Porphyria](#)