

Anti-HMBS Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

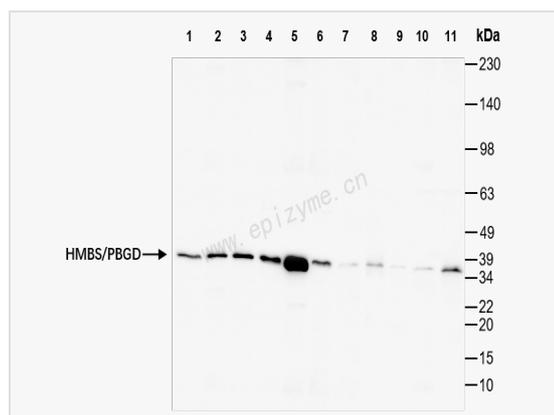
Catalog # R015578

Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	95S30D86
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human HMBS/PBGD
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-HMBS Rabbit mAb [95S30D86] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	HEM3_HUMAN; HMBS; Hydroxymethylbilane synthase; PBG D; PBG-D; PBGD; PORC; Porphobilinogen deaminase; porphyria, acute; Chester type; Pre uroporphyrinogen synthase; Pre-uroporphyrinogen synthase; UPS; Uroporphyrinogen I synthase; Uroporphyrinogen I synthetase.
Calculated MW	Calculated MW: 39 kDa; Observed MW: 39 kDa
Uniprot ID	P08397
Gene ID	3145
Background	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, Jul 2008]
Cellular Location	Belongs to the HMBS family.
Tissue Location	Isoform 1 is ubiquitously expressed. Isoform 2 is found only in erythroid cells.



Western Blot - Anti-HMBS Rabbit mAb [95S30D86]

All lanes: R015578 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: 293T (Human embryonic kidney cell) whole cell lysates

Lane 5: K562 (Human chronic myeloid leukemia cell) whole cell lysates

Lane 6: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

Lane 7: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 8: Mouse heart whole tissue lysates

Lane 9: Mouse brain whole tissue lysates

Lane 10: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lane 11: Rat heart whole tissue lysates

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at

1:5,000 dilution

Predicted band size: 39 kDa

Observed band size: 39 kDa

Developed using the ECL technique (Cat. No. SQ201).