

## Product datasheet for **CF802669**

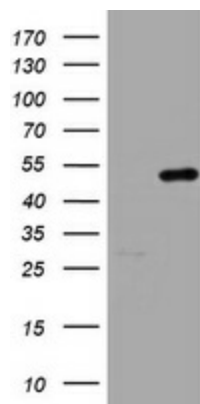
### HMBS Mouse Monoclonal Antibody [Clone ID: OTI3F4]

#### Product data:

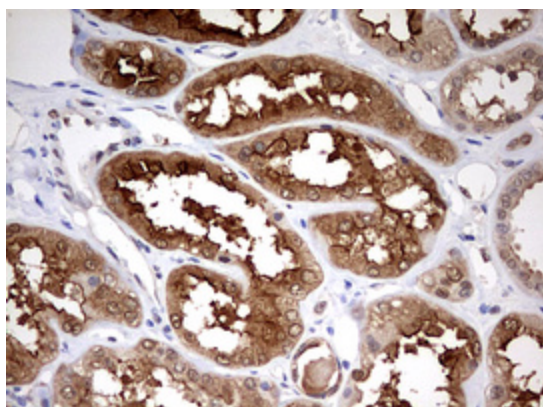
Product Type:	Primary Antibodies
Clone Name:	OTI3F4
Applications:	IHC, WB
Recommend Dilution:	WB 1:2000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human HMBS (NP_000181) produced in HEK293T cell.
Formulation:	PBS (pH7.3), 8% Trehalose
Reconstitution Method:	Reconstitute with PBS (pH7.3). To use this carrier-free antibody for conjugation experiment, we strongly recommend you to perform another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids by affinity chromatography
Predicted Protein Size:	39.1 kDa
Gene Name:	Homo sapiens hydroxymethylbilane synthase (HMBS), transcript variant 1, mRNA.
Database Link:	<a href="#">NP_000181 Entrez Gene 3145 Human</a>
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]
Synonyms:	PBG-D; PBGD; PORC; UPS
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Porphyrin and chlorophyll metabolism



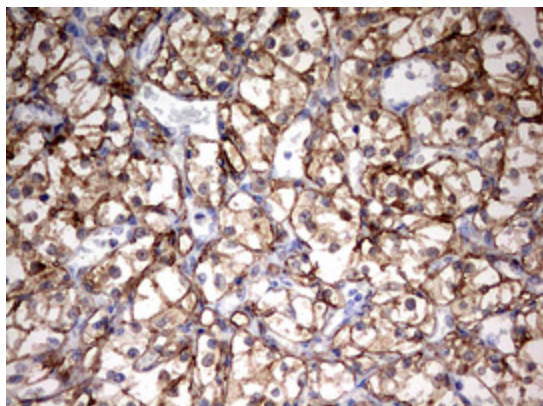
[View online »](#)

**Product images:**

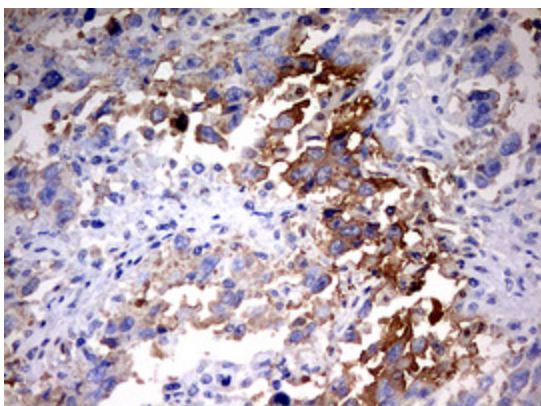
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HMBS (RC201362, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HMBS. Positive lysates LY400069 (100ug) and LC400069 (20ug) can be purchased separately from OriGene.



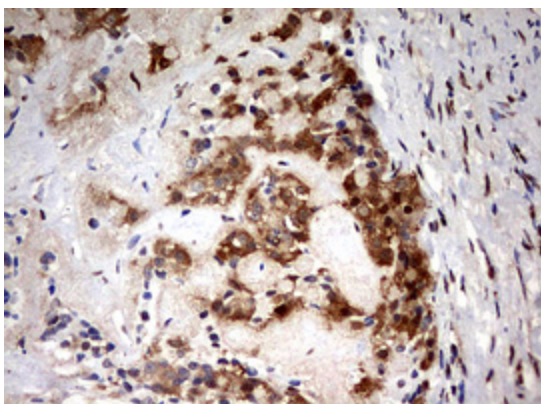
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-HMBS mouse monoclonal antibody. (TA802669) Dilution: 1:150



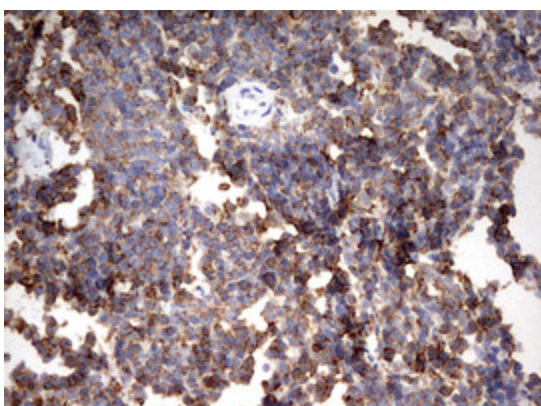
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-HMBS mouse monoclonal antibody. (TA802669) Dilution: 1:150



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-HMBS mouse monoclonal antibody. (TA802669) Dilution: 1:150



Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-HMBS mouse monoclonal antibody. (TA802669) Dilution: 1:150



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-HMBS mouse monoclonal antibody. (TA802669) Dilution: 1:150