

## Product datasheet for **TA802669**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3F4
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human HMBS (NP_000181) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	39.1 kDa
Gene Name:	hydroxymethylbilane synthase
Database Link:	<a href="#">NP_000181</a> <a href="#">Entrez Gene 15288 Mouse</a> <a href="#">Entrez Gene 25709 Rat</a> <a href="#">Entrez Gene 3145 Human</a> <a href="#">P08397</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]

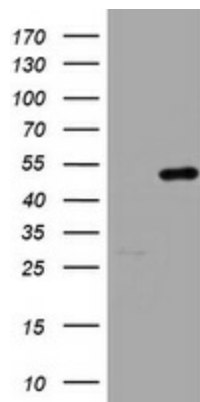


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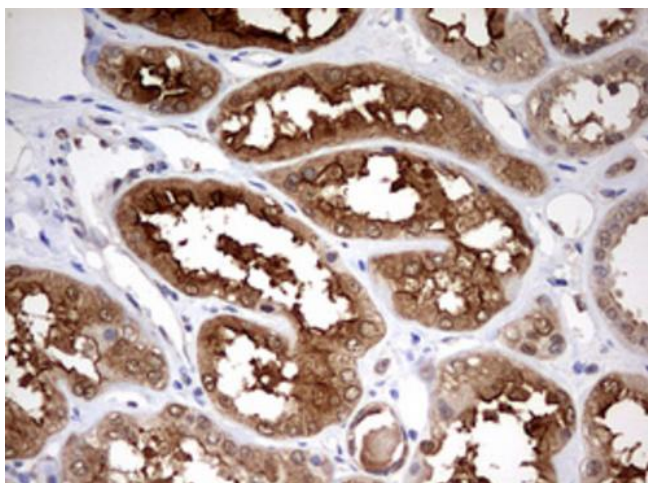
**Synonyms:** PBG-D; PBGD; PORC; UPS

**Protein Families:** Druggable Genome

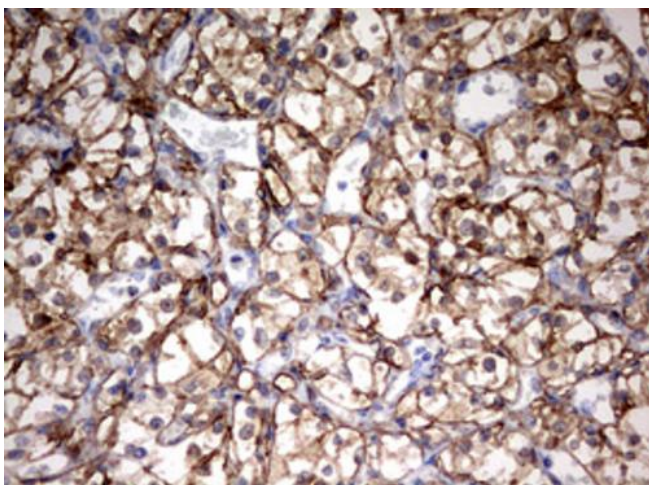
**Protein Pathways:** Metabolic pathways, Porphyrin and chlorophyll metabolism

**Product images:**

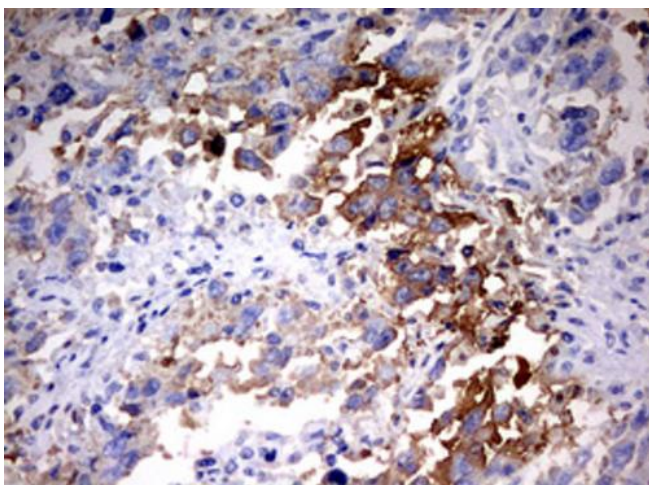
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY HMBS (Cat# [RC201362], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HMBS (Cat# TA802669). Positive lysates [LY400069] (100ug) and [LC400069] (20ug) can be purchased separately from OriGene.



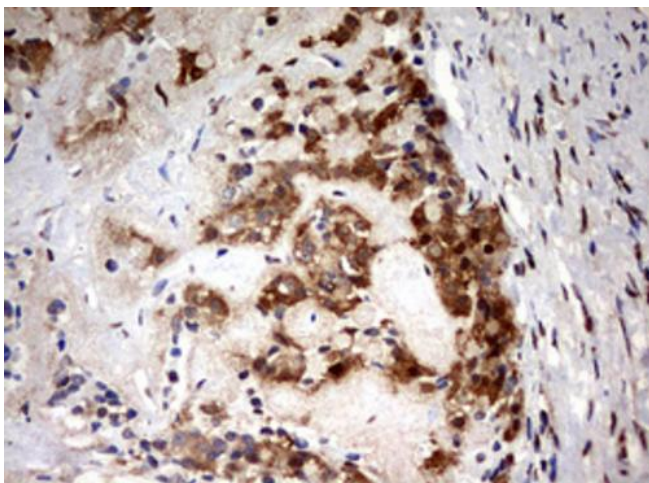
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-HMBS mouse monoclonal antibody. (TA802669) Dilution: 1:150. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



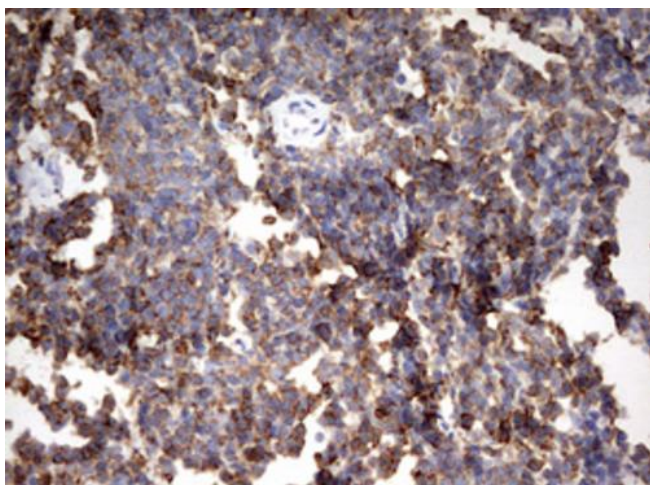
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-HMBS mouse monoclonal antibody. (TA802669) Dilution: 1:150. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-HMBS mouse monoclonal antibody. (TA802669) Dilution: 1:150. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-HMBS mouse monoclonal antibody. (TA802669) Dilution: 1:150. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-HMBS mouse monoclonal antibody. (TA802669)  
Dilution: 1:150. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.