

HMBS Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59129**Specification**

HMBS Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	P08397
Reactivity	Rat, Pig, Cat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39330

HMBS Polyclonal 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

Dilution

IHC-P~N/A
IHC-F~N/A
IF~1:50~200
E~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

HMBS Polyclonal 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](http://www.uniprot.org/citations/18004775), PubMed:[18936296](http://www.uniprot.org/citations/18936296), PubMed:[19138865](http://www.uniprot.org/citations/19138865), PubMed:[23815679](http://www.uniprot.org/citations/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.

HMBS Polyclonal 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](#)

HMBS Polyclonal Antibody - Images