

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 <u>P08397</u>

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

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<span class = "dilution_IHC-P">IHC-P~~N/A</span><br \> <span class = "dilution_IHC-F">IHC-F~~N/A</span><br \> <span class = "dilution_IF">IF~~1:50~200</span> <br \> <span class = "dilution_E">E~~N/A</span>
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Format

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

Storage

Store at -20 $^{\circ}$ 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 $^{\circ}$ C.

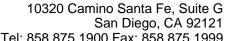
HMBS Polyclonal Antibody - Protein Information

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, PubMed:18936296, PubMed:19138865, PubMed: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



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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
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HMBS Polyclonal Antibody - Images