

Datasheet for ABIN2785719 anti-HMBS antibody (Middle Region)



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Overview

Quantity:	100 µL
Target:	HMBS
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Dog, Horse, Guinea Pig, Cow, Zebrafish (Danio rerio), Sheep, Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMBS antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human HMBS
Sequence:	SSLRRAAQLQ RKFPHFLEFRS IRGNLNTRLR KLDEQQEFSA IILATAGLQR
Predicted Reactivity:	Cow: 93%, Dog: 93%, Goat: 93%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 100%, Sheep: 93%, Zebrafish: 91%
Characteristics:	This is a rabbit polyclonal antibody against HMBS. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	HMBS
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Target Details

Alternative Name:	HMBS (HMBS Products)
Background:	<p>HMBS is a member of the hydroxymethylbilane synthase superfamily. It 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. 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.</p> <p>Alias Symbols: PBG-D, PBGD, UPS, PORC</p> <p>Protein Interaction Partner: RANBP9, APP, UBC,</p> <p>Protein Size: 361</p>
Molecular Weight:	40 kDa
Gene ID:	3145
NCBI Accession:	NM_000190 , NP_000181
UniProt:	P08397

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 361 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

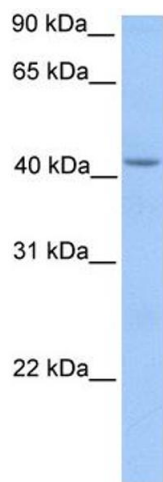
Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	Stutchbury, Al-Ejeh, Stillfried, Croucher, Andrews, Irving, Links, Ranson: "Preclinical evaluation of 213Bi-labeled plasminogen activator inhibitor type 2 in an orthotopic murine xenogenic model of human breast carcinoma." in: Molecular cancer therapeutics , Vol. 6, Issue 1, pp. 203-12, (2007) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-HMBS Antibody Titration:

0.2-1 ug/ml

Positive Control: Human Liver