

ARG58911 anti-HMBS antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes HMBS
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognize all reported isoforms (NP_000181.2; NP_001019553.1; NP_001245137.1; NP_001245138.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	HMBS
Species	Human
Immunogen	Synthetic peptide from the internal region of Human HMBS. (NP_000181.2; NP_001019553.1; NP_001245137.1; NP_001245138.1) (C-HLEFRSIRGNLNT)
Conjugation	Un-conjugated
Alternate Names	HMBS; Hydroxymethylbilane synthase; Porphobilinogen deaminase; PORC; PBGD; EC 2.5.1.61; Pre-uroporphyrinogen synthase; PBG-D; UPS

Application Instructions

Application table	Application	Dilution
	IHC-P	5 µg/ml
	WB	0.1 - 0.3 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 40 kDa	

Properties

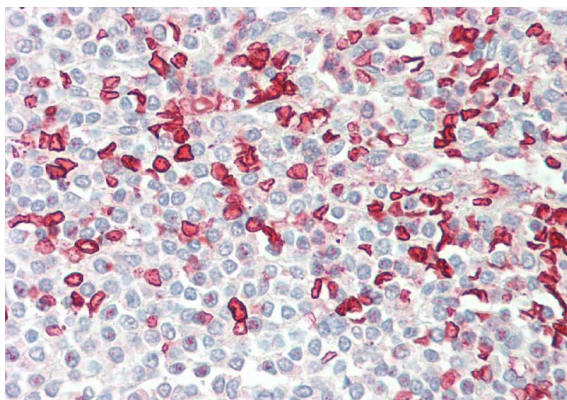
Form	Liquid
Purification	Affinity purified
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

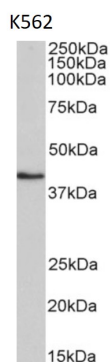
Gene Symbol	HMBS
Gene Full Name	hydroxymethylbilane synthase
Background	This gene encodes a member of the hydroxymethylbilane synthase superfamily. The encoded protein is the third enzyme of the heme biosynthetic pathway and catalyzes the head to tail condensation of four porphobilinogen molecules into 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]
Function	Tetrapolymerization of the monopyrrole PBG into the hydroxymethylbilane pre-uroporphyrinogen in several discrete steps. [UniProt]
Calculated Mw	39 kDa
Cellular Localization	Cytoplasm. [UniProt]

Images



ARG58911 anti-HMBS antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human spleen stained with ARG58911 anti-HMBS antibody at 5 µg/ml dilution. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).



ARG58911 anti-HMBS antibody WB image

Western blot: 35 µg of K562 cell lysate (in RIPA buffer) stained with ARG58911 anti-HMBS antibody at 0.1 µg/ml dilution and incubated at RT for 1 hour.