

## Product datasheet

# Anti-HMBS antibody ab91331

1 Image

### Overview

<b>Product name</b>	Anti-HMBS antibody
<b>Description</b>	Rabbit polyclonal to HMBS
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide selected from the C-terminal region of Human HMBS conjugated to KLH (NP_000181.2).
<b>Positive control</b>	T47D cell line lysate

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.09% Sodium Azide Constituents: PBS
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab91331 is purified through a protein A column, followed by peptide affinity purification.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab91331** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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WB

ELISA

<b>Application notes</b>	ELISA: 1/1000. WB: 1/100 - 1/500. Predicted molecular weight: 39 kDa.
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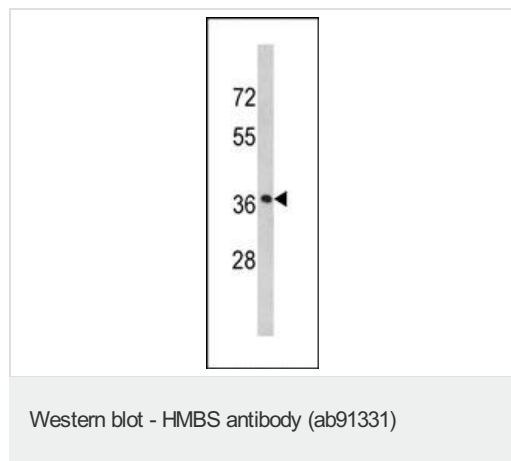
Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

## Target

<b>Function</b>	Tetrapolymerization of the monopyrrole PBG into the hydroxymethylbilane pre-uroporphyrinogen in several discrete steps.
<b>Tissue specificity</b>	Isoform 1 is ubiquitously expressed. Isoform 2 is found only in erythroid cells.
<b>Pathway</b>	Porphyrin metabolism; protoporphyrin-IX biosynthesis; coproporphyrinogen-III from 5-aminolevulinate: step 2/4.
<b>Involvement in disease</b>	Defects in HMBS are the cause of acute intermittent porphyria (AIP) [MIM:176000]. AIP is a form of porphyria. Porphyrias are inherited defects in the biosynthesis of heme, resulting in the accumulation and increased excretion of porphyrins or porphyrin precursors. They are classified as erythropoietic or hepatic, depending on whether the enzyme deficiency occurs in red blood cells or in the liver. AIP is an autosomal dominant form of hepatic porphyria characterized by acute attacks of neurological dysfunctions with abdominal pain, hypertension, tachycardia, and peripheral neuropathy. Most attacks are precipitated by drugs, alcohol, caloric deprivation, infections, or endocrine factors.
<b>Sequence similarities</b>	Belongs to the HMBS family.
<b>Cellular localization</b>	Cytoplasm.

## Images



Anti-HMBS antibody (ab91331) at 1/100 dilution + T47D cell line lysate at 35 µg

**Predicted band size : 39 kDa**

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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