




Product datasheet

Anti-HGD antibody ab231968

4 Images

Overview

Product name	Anti-HGD antibody
Description	Rabbit polyclonal to HGD
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Rat Predicted to work with: Human, Orangutan 
Immunogen	Recombinant fragment (His-T7-tag) corresponding to Mouse HGD aa 150 to the C-terminus. (Expressed in E.coli) Database link: O09173  Run BLAST with  Run BLAST with
Positive control	WB: Recombinant mouse HGD protein; Mouse and rat liver lysates. IHC-P: Mouse kidney and liver tissues.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.011% Proclin 300 Constituents: 55.77% Glycerol (glycerin, glycerine), 44.219% PBS
Purity	Immunogen affinity purified
Purification notes	ab231968 was purified by antigen-specific affinity chromatography followed by Protein A affinity chromatography.

Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab231968 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
WB		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 50 kDa.
IHC-P		Use a concentration of 5 - 20 µg/ml.

Target

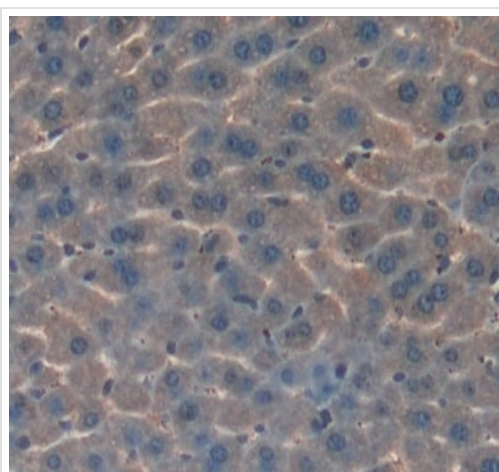
Tissue specificity Highest expression in the prostate, small intestine, colon, kidney and liver.

Pathway Amino-acid degradation; L-phenylalanine degradation; acetoacetate and fumarate from L-phenylalanine: step 4/6.

Involvement in disease Defects in HGD are the cause of alkaptonuria (AKU) [MIM:203500]. AKU is an autosomal recessive error of metabolism characterized by an increase in the level of homogentisic acid. The clinical manifestations of AKU are urine that turns dark on standing and alkalization, black ochronotic pigmentation of cartilage and collagenous tissues, and spine arthritis.

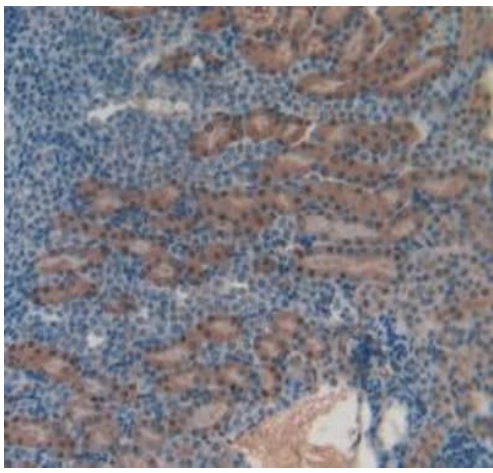
Sequence similarities Belongs to the homogentisate dioxygenase family.

Images



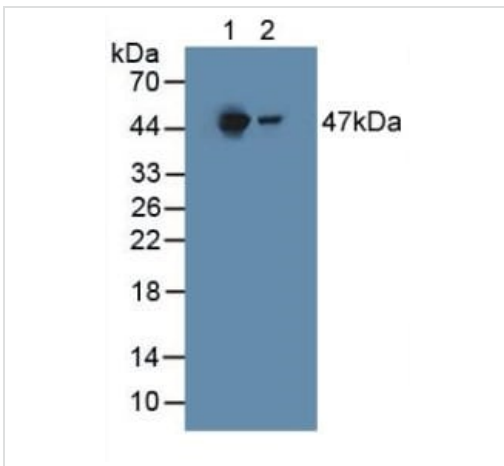
Paraffin-embedded mouse liver tissue stained for HGD using ab231968 at 20 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HGD antibody (ab231968)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HGD antibody (ab231968)

Paraffin-embedded mouse kidney tissue stained for HGD using ab231968 at 20 µg/ml in immunohistochemical analysis. DAB staining.



Western blot - Anti-HGD antibody (ab231968)

All lanes : Anti-HGD antibody (ab231968) at 3 µg/ml

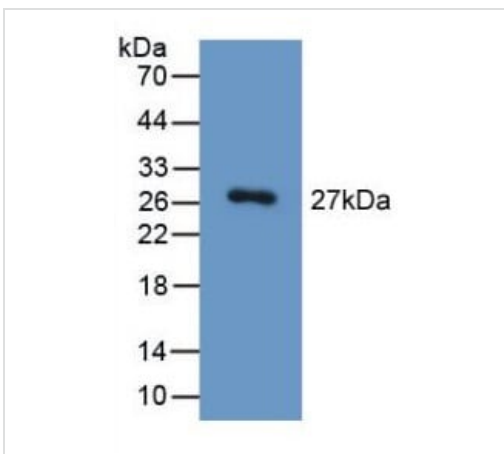
Lane 1 : Mouse liver lysate

Lane 2 : Rat liver lysate

Secondary

All lanes : HRP-Linked Guinea pig anti-rabbit at 1/2000 dilution

Predicted band size: 50 kDa



Western blot - Anti-HGD antibody (ab231968)

Anti-HGD antibody (ab231968) at 3 µg/ml + Recombinant mouse HGD protein

Secondary

HRP-Linked Guinea pig Anti-Rabbit at 1/2000 dilution

Predicted band size: 50 kDa

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors