

Product datasheet

Anti-AHSG antibody [EPR17839-163] ab187051

Recombinant RabMAb

[4 References](#) [6 Images](#)

Overview

Product name	Anti-AHSG antibody [EPR17839-163]
Description	Rabbit monoclonal [EPR17839-163] to AHSG
Host species	Rabbit
Tested applications	Suitable for: WB, IP, IHC-P
Species reactivity	Reacts with: Mouse, Rat
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Mouse and rat serum and plasma; rat liver tissue lysate. IHC-P: Mouse and rat liver tissue. IP: Mouse serum.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 0.05% BSA, 40% Glycerol, PBS</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR17839-163
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab187051 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		1/2000. Detects a band of approximately 58 kDa (predicted molecular weight: 37 kDa).
IP		1/30.
IHC-P		1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

Function

Promotes endocytosis, possesses opsonic properties and influences the mineral phase of bone. Shows affinity for calcium and barium ions.

Tissue specificity

Synthesized in liver and selectively concentrated in bone matrix. Secreted in plasma. It is also found in dentin in much higher quantities than other plasma proteins.

Sequence similarities

Belongs to the fetuin family.
Contains 2 cystatin fetuin-A-type domains.

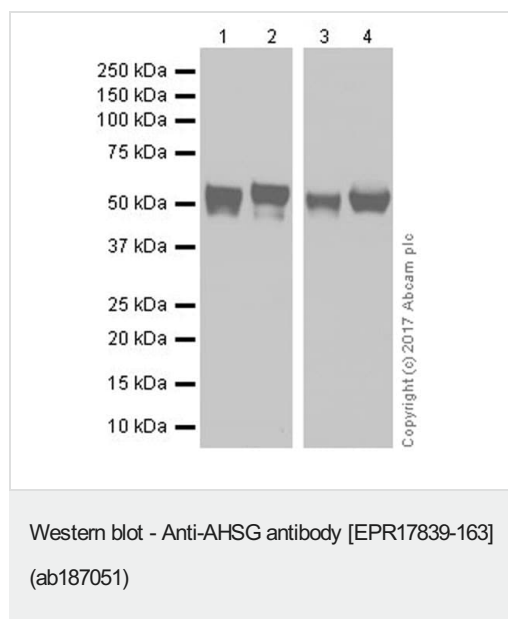
Post-translational modifications

Phosphorylation sites are present in the extracellular medium.

Cellular localization

Secreted.

Images



All lanes : Anti-AHSG antibody [EPR17839-163] (ab187051) at 1/2000 dilution

Lane 1 : Mouse serum

Lane 2 : Mouse plasma

Lane 3 : Rat serum

Lane 4 : Rat plasma

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution (Goat Anti-Rabbit IgG H&L (HRP))

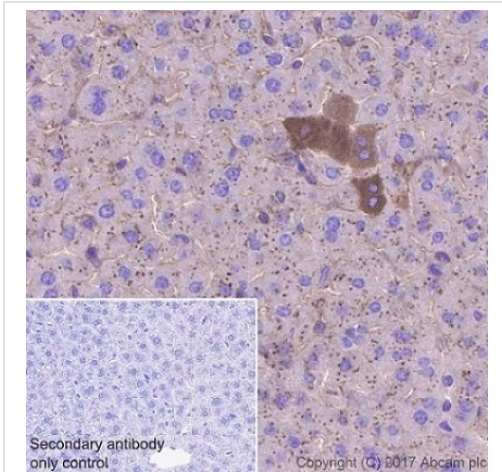
Developed using the ECL technique.

Predicted band size: 37 kDa

Observed band size: 58 kDa

Exposure time: 5 seconds

Blocking and dilution buffer: 5% NFDM/TBST

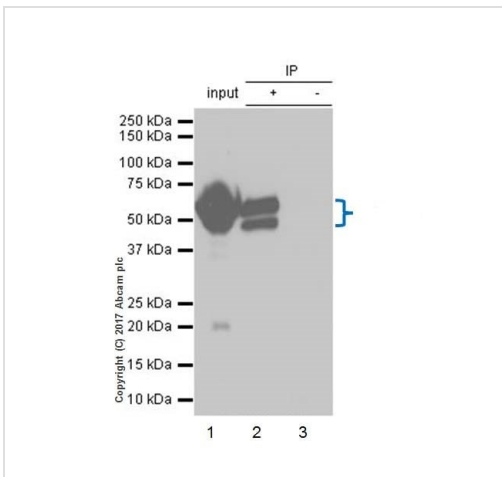


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AHSG antibody
[EPR17839-163] (ab187051)

Immunohistochemical analysis of paraffin-embedded mouse liver tissue labeling AHSG with ab187051 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Cytoplasmic staining on mouse liver (PMID: 24604240; PMID: 12943536; PMID: 22170794) is observed. Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).



Immunoprecipitation - Anti-AHSG antibody
[EPR17839-163] (ab187051)

AHSG was immunoprecipitated from 0.35 mg of mouse serum with ab187051 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab187051 at 1/1,000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/10,000 dilution.

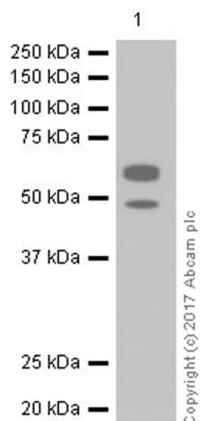
Lane 1: Mouse serum 10 µg (Input).

Lane 2: ab187051 IP in mouse serum (+).

Lane 3: : Rabbit monoclonal IgG (**ab172730**) instead of ab187051 in mouse serum (-).

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 1 second.



Western blot - Anti-AHSG antibody [EPR17839-163] (ab187051)

Anti-AHSG antibody [EPR17839-163] (ab187051) at 1/2000 dilution + Rat liver tissue lysate at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution (Goat Anti-Rabbit IgG H&L (HRP))

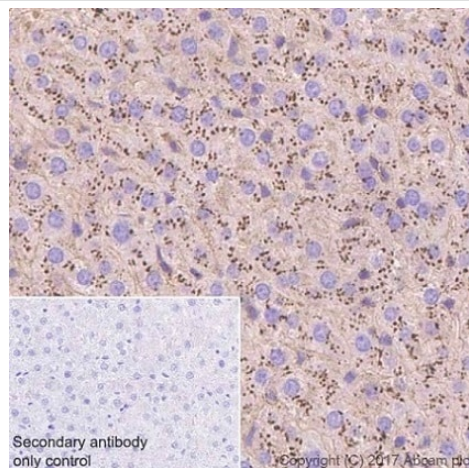
Developed using the ECL technique.

Predicted band size: 37 kDa

Observed band size: 58 kDa

Exposure time: 1 minute

Blocking and dilution buffer: 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AHSG antibody [EPR17839-163] (ab187051)

Immunohistochemical analysis of paraffin-embedded rat liver tissue labeling AHSG with ab187051 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Cytoplasmic staining on rat liver (PMID: 24604240; PMID: 12943536; PMID: 22170794) is observed. Counter stained with hematoxylin.

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Perform heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-AHSG antibody [EPR17839-163] (ab187051)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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