

Product datasheet

Anti-ITIH4 antibody [EPR11233(2)] ab180139

Recombinant RabMAb

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

Overview

Product name	Anti-ITIH4 antibody [EPR11233(2)]
Description	Rabbit monoclonal [EPR11233(2)] to ITIH4
Host species	Rabbit
Tested applications	Suitable for: IP, IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment within Human ITIH4 aa 1-150. The exact sequence is proprietary. Database link: Q14624
Positive control	Human and mouse plasma, Mouse and rat serum, Human liver and placenta tissue.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 0.05% BSA, 40% Glycerol
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR11233(2)
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab180139 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
IP		1/60.
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000 - 1/5000. Detects a band of approximately 120 kDa (predicted molecular weight: 103 kDa).

Target

Function

May be involved in acute phase reactions.

Tissue specificity

Liver specific.

Sequence similarities

Belongs to the ITIH family.

Contains 1 VIT domain.

Contains 1 VWFA domain.

Post-translational modifications

Cleaved by plasma kallikrein to yield 100 kDa and 35 kDa fragments, and the resulting 100 kDa fragment is further converted to a 70 kDa fragment.

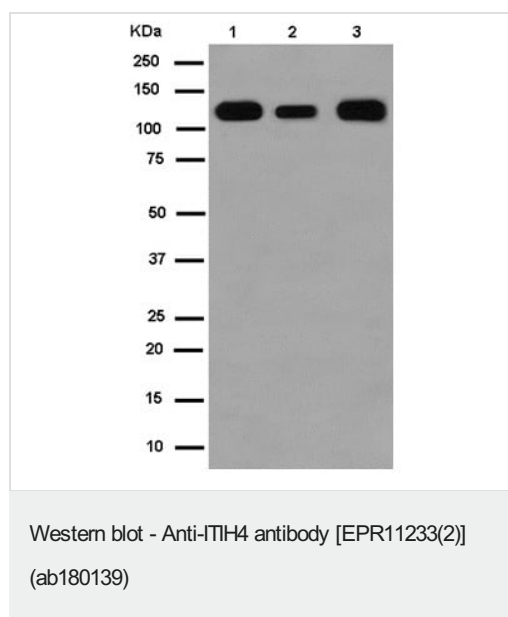
Appears to be both N- and O-glycosylated.

The O-linked polysaccharides on Ser-696, Thr-701 and Ser-702 are probably the mucin type linked to GalNAc.

Cellular localization

Secreted.

Images



All lanes : Anti-ITIH4 antibody [EPR11233(2)] (ab180139) at 1/5000 dilution

Lane 1 : Mouse serum

Lane 2 : Mouse plasma

Lane 3 : Rat serum

Lysates/proteins at 10 µg per lane.

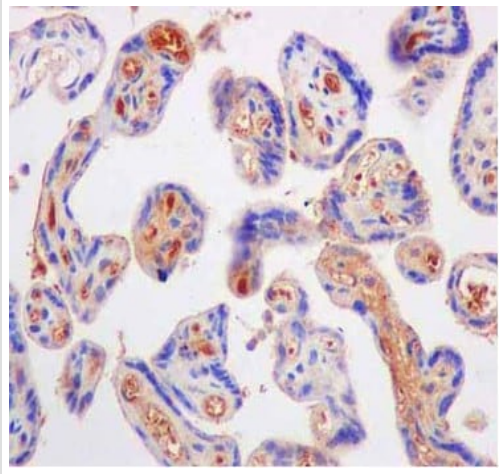
Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1000 µg

Predicted band size: 103 kDa

Observed band size: 120 kDa

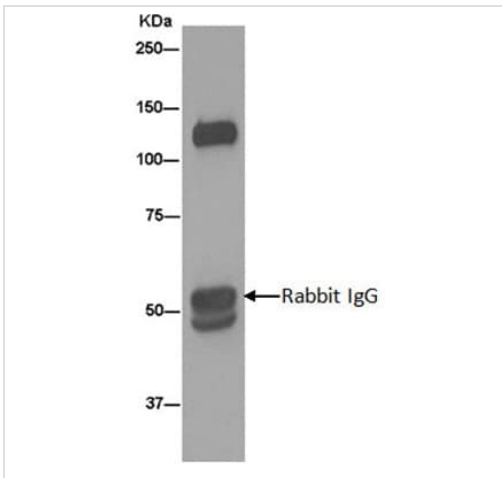
Blocking buffer and concentration: 5%NFDM/TBST



Immunohistochemical analysis of paraffin-embedded Human placenta tissue labeling ITIH4 with ab180139 at 1/500 dilution. Secondary antibody Goat anti rabbit IgG(HRP) prediluted. Counter stain Hematoxylin.

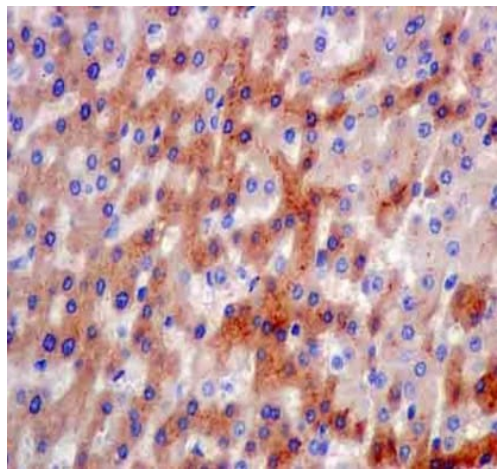
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ITIH4 antibody [EPR11233(2)] (ab180139)



Western blot analysis of ITIH4 in immunoprecipitation pellets from Human plasma lysate. ab180139 used at 1/60 dilution for immunoprecipitation. Secondary antibody Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000. Blocking buffer and concentration: 5% NFDm/TBST.

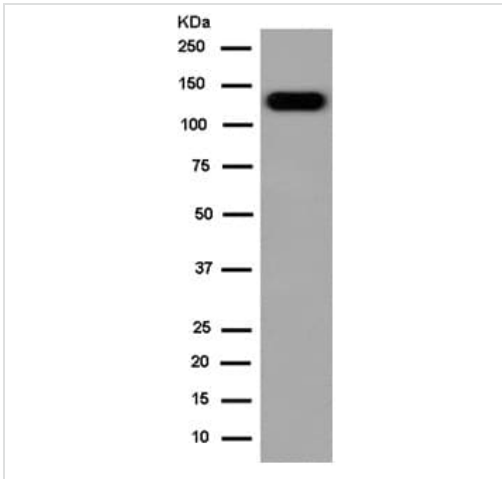
Immunoprecipitation - Anti-ITIH4 antibody [EPR11233(2)] (ab180139)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ITIH4 antibody [EPR11233(2)] (ab180139)

Immunohistochemical analysis of paraffin-embedded Human liver tissue labeling ITIH4 with ab180139 at 1/500 dilution. Secondary antibody Goat anti rabbit IgG(HRP) prediluted. Counter stain Hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Western blot - Anti-ITIH4 antibody [EPR11233(2)] (ab180139)

Anti-ITIH4 antibody [EPR11233(2)] (ab180139) at 1/5000 dilution + Human plasma at 10 µg

Secondary

Anti-Rabbit IgG (HRP) at 1/1000 dilution

Predicted band size: 103 kDa

Observed band size: 120 kDa

Blocking buffer and concentration: 5%NFDM /TBST

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-ITIH4 antibody [EPR11233(2)] (ab180139)

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

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