

Product datasheet

Anti-ITIH1/SHAP antibody [EPR17138-29] - BSA and Azide free ab251413

Recombinant RabMAb

5 Images

Overview

Product name	Anti-ITIH1/SHAP antibody [EPR17138-29] - BSA and Azide free
Description	Rabbit monoclonal [EPR17138-29] to ITIH1/SHAP - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab251413 is the carrier-free version of ab204513.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Clonality	Monoclonal
Clone number	EPR17138-29
Isotype	IgG

Applications

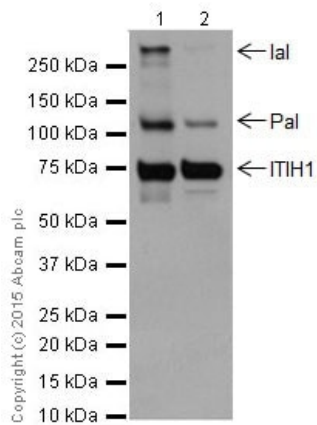
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab251413 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 80, 125, 250 kDa (predicted molecular weight: 101, 86 kDa).

Target

Function	May act as a carrier of hyaluronan in serum or as a binding protein between hyaluronan and other matrix protein, including those on cell surfaces in tissues to regulate the localization, synthesis and degradation of hyaluronan which are essential to cells undergoing biological processes. Contains a potential peptide which could stimulate a broad spectrum of phagocytotic cells.
Sequence similarities	Belongs to the ITIH family. Contains 1 VIT domain. Contains 1 VWFA domain.
Post-translational modifications	Heavy chains are linked to bikunin via chondroitin 4-sulfate esterified to the alpha-carboxyl of the C-terminal aspartate after propeptide cleavage. The S-linked glycan is composed of two 6-carbon sugars, possibly Glc or Gal.
Cellular localization	Secreted.

Images



Western blot - Anti-ITIH1/SHAP antibody
[EPR17138-29] - BSA and Azide free (ab251413)

All lanes : Anti-ITIH1/SHAP antibody [EPR17138-29] ([ab204513](#))
at 1/1000 dilution

Lane 1 : Human fetal heart tissue lysate

Lane 2 : Human fetal kidney tissue lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at
1/1000 dilution

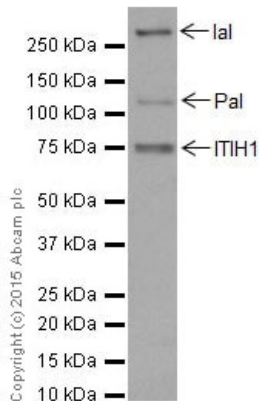
Predicted band size: 101, 86 kDa

Observed band size: 125,250,80 kDa

Exposure time: 1 minute

This data was developed using [ab204513](#), the same antibody
clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.



Western blot - Anti-ITIH1/SHAP antibody
[EPR17138-29] - BSA and Azide free (ab251413)

Anti-ITIH1/SHAP antibody [EPR17138-29] ([ab204513](#)) at 1/10000
dilution + Human brain lysate at 10 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000
dilution

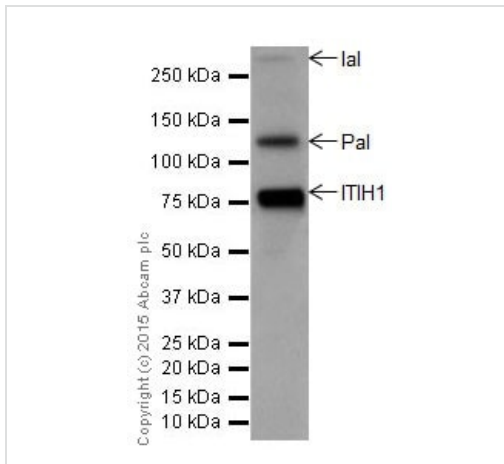
Predicted band size: 101, 86 kDa

Observed band size: 125,250,80 kDa

Exposure time: 3 minutes

This data was developed using [ab204513](#), the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.



Western blot - Anti-ITI11/SHAP antibody
[EPR17138-29] - BSA and Azide free (ab251413)

Anti-ITI11/SHAP antibody [EPR17138-29] ([ab204513](#)) at 1/20000 dilution + Human plasma lysate at 10 µg

Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/10000 dilution

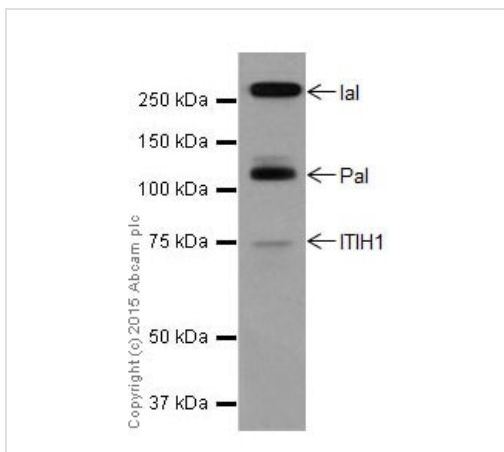
Predicted band size: 101, 86 kDa

Observed band size: 250 kDa

Exposure time: 1 second

This data was developed using [ab204513](#), the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.



Western blot - Anti-ITI11/SHAP antibody
[EPR17138-29] - BSA and Azide free (ab251413)

Anti-ITI11/SHAP antibody [EPR17138-29] ([ab204513](#)) at 1/50000 dilution + Human serum lysate at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/10000 dilution

Predicted band size: 101, 86 kDa

Observed band size: 125,250,80 kDa

Exposure time: 2 seconds

This data was developed using [ab204513](#), the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 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-ITIH1/SHAP antibody [EPR17138-29] - BSA
and Azide free (ab251413)

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

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