

Product datasheet

Anti-FSTL1/FRP antibody [EPR21933-155] - BSA and Azide free ab234961

Recombinant RabMAb

[3 Images](#)

Overview

Product name	Anti-FSTL1/FRP antibody [EPR21933-155] - BSA and Azide free
Description	Rabbit monoclonal [EPR21933-155] to FSTL1/FRP - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Rat and mouse E14 embryo lysate; C6 cell lysate.
General notes	<p>ab234961 is the carrier-free version of ab223287.</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>

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

Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR21933-155
Isotype	IgG

Applications

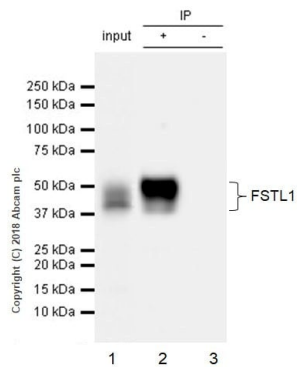
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab234961 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 35 kDa.
IP		Use at an assay dependent concentration.

Target

Function	May modulate the action of some growth factors on cell proliferation and differentiation. Binds heparin.
Tissue specificity	Overexpressed in synovial tissues from rheumatoid arthritis.
Sequence similarities	Contains 2 EF-hand domains. Contains 1 follistatin-like domain. Contains 1 Kazal-like domain. Contains 1 VWFC domain.
Cellular localization	Secreted.

Images



Immunoprecipitation - Anti-FSTL1/FRP antibody [EPR21933-155] - BSA and Azide free (ab234961)

FSTL1/FRP was immunoprecipitated from 0.35 mg rat embryo lysate with **ab223287** at 1/30 dilution. Western blot was performed from the immunoprecipitate using **ab223287** at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/5000 dilution.

Lane 1: Rat embryo lysate 10 µg (Input).

Lane 2: **ab223287** IP in rat embryo lysate (+).

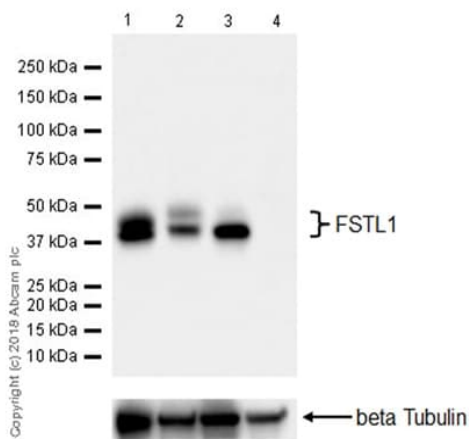
Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab223287** in rat embryo lysate (-).

Blocking/Dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 1 minute.

The molecular mass observed is consistent with what has been described in the literature (PMID: 28574994).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab223287**).



Western blot - Anti-FSTL1/FRP antibody [EPR21933-155] - BSA and Azide free (ab234961)

All lanes : Anti-FSTL1/FRP antibody [EPR21933-155] (**ab223287**) at 1/1000 dilution

Lane 1 : Rat E14 embryo lysate

Lane 2 : Mouse E14 embryo lysate

Lane 3 : C6 (Rat glial tumor cell line) cell lysate

Lane 4 : Rat liver lysate

Lysates/proteins at 20 µg per lane.

Secondary

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

Predicted band size: 35 kDa

Observed band size: 43-50 kDa

Exposure time: 48 seconds

Blocking/diluting buffer and concentration: 5% NFDm/TBST.


The molecular mass observed is consistent with what has been described in the literature (PMID: 28574994).

Negative control: Rat liver (PMID: 20861081).

This data was developed using the same antibody clone in a

different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab223287](#)).

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-FSTL1/FRP antibody [EPR21933-155] - BSA and Azide free ([ab234961](#))

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