


Product datasheet

Anti-FSTL1 antibody ab111969

1 Image

Overview

Product name	Anti-FSTL1 antibody
Description	Rabbit polyclonal to FSTL1
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Rabbit, Horse, Chicken, Cow, Dog, Chimpanzee, Gorilla, Chinese hamster, Orangutan 
Immunogen	Synthetic peptide corresponding to Human FSTL1 aa 100-200 conjugated to Keyhole Limpet Haemocyanin (KLH). Database link: Q12841
Positive control	This antibody gave a positive signal in Human Plasma Total Protein lysate as well as the following whole cell lysates: A431; MD MBA 231; HeLa; NIH3T3.

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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab111969** in the following tested applications.

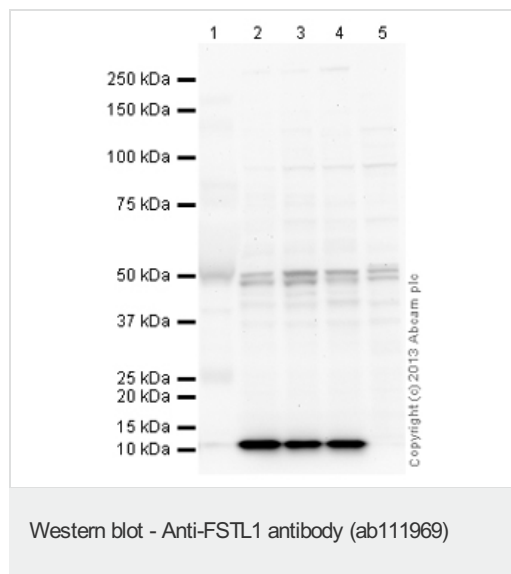
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 48, 50 kDa (predicted molecular weight: 35 kDa).

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



All lanes : Anti-FSTL1 antibody (ab111969)
at 1 µg/ml

Lane 1 : Human Plasma Total Protein Lysate

Lane 2 : A431 (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 3 : MDA-MB-231 (Human breast adenocarcinoma cell line) Whole Cell Lysate

Lane 4 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 5 : NIH 3T3 (Mouse embryonic fibroblast cell line) Whole Cell Lysate

Lysates/proteins at 25 µg per lane.

Secondary

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

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 35 kDa

Observed band size: 50 kDa

Additional bands at: 11 kDa (possible non-specific binding), 48 kDa (possible cleavage fragment), 95 kDa (possible non-specific binding)

Exposure time: 2 minutes

FSTL1 contains a number of potential glycosylation sites (SwissProt) which may explain its migration at a higher molecular weight than predicted.

The band observed at 48 kDa could potentially be a cleaved form of FSTL1 due to the presence of a 20 amino acid signal peptide.

This blot was produced using a 10% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 5% Bovine Serum Albumin before being incubated with ab111969 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution.

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