

Product datasheet

Anti-FGF1 antibody [EPR19989] ab207321

Recombinant RabMAb

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Overview

Product name	Anti-FGF1 antibody [EPR19989]
Description	Rabbit monoclonal [EPR19989] to FGF1
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human fetal kidney, fetal brain and glioma lysates; U-87 MG and Neuro-2a whole cell lysates; Mouse spinal cord, heart and kidney lysates; Rat heart lysate.
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: 59% PBS, 40% Glycerol, 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR19989
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab207321 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		1/1000. Detects a band of approximately 16,18 kDa (predicted molecular weight: 17 kDa).

Target

Function

The heparin-binding fibroblast growth factors play important roles in the regulation of cell survival, cell division, angiogenesis, cell differentiation and cell migration. They are potent mitogens in vitro.

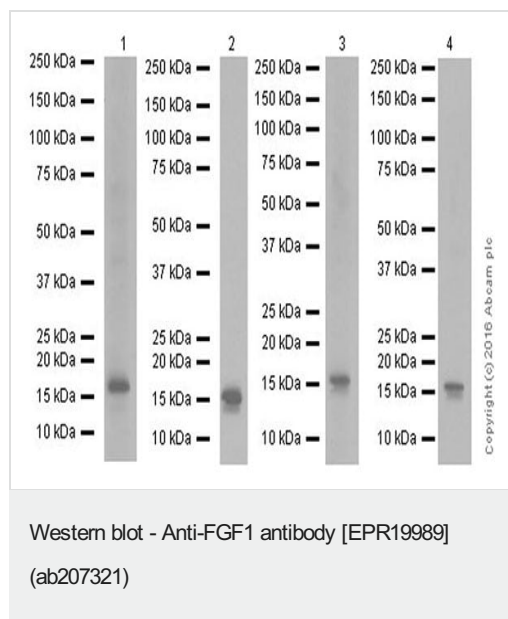
Sequence similarities

Belongs to the heparin-binding growth factors family.

Cellular localization

Secreted. Cytoplasm. Cytoplasm > cell cortex. Lacks a cleavable signal sequence. Within the cytoplasm, it is transported to the cell membrane and then secreted by a non-classical pathway that requires Cu(2+) ions and S100A13. Secreted in a complex with SYT1.

Images



All lanes : Anti-FGF1 antibody [EPR19989] (ab207321) at 1/1000 dilution

Lane 1 : U-87 MG (Human glioblastoma-astrocytoma epithelial cell line) whole cell lysate

Lane 2 : Human fetal kidney lysate

Lane 3 : Human fetal brain lysate

Lane 4 : Neuro-2a (Mouse neuroblastoma cell line) whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/50000 dilution

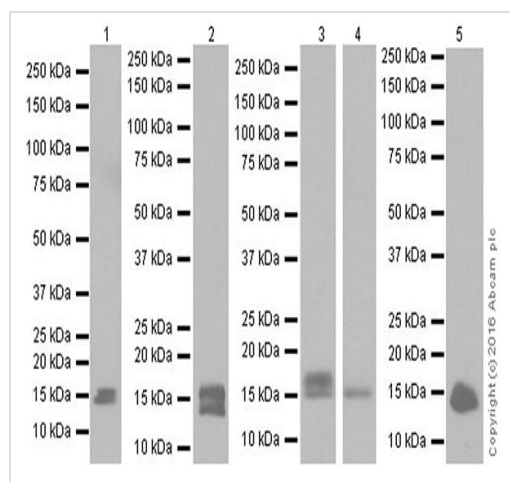
Predicted band size: 17 kDa

Observed band size: 16,18 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure times: Lane 1: 1 second; Lane 2/4: 5 seconds; Lane 3: 3 seconds.

The observed molecular weight is consistent with the literature (PMID: 16091423).



Western blot - Anti-FGF1 antibody [EPR19989] (ab207321)

All lanes : Anti-FGF1 antibody [EPR19989] (ab207321) at 1/1000 dilution

Lane 1 : Human glioma lysate

Lane 2 : Mouse spinal cord lysate

Lane 3 : Mouse heart lysate

Lane 4 : Mouse kidney lysate

Lane 5 : Rat heart lysate

Lysates/proteins at 10 µg per lane.

Secondary

Lane 1 : VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) at 1/4000 dilution

Lanes 2-5 : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 17 kDa

Observed band size: 16,18 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure times: Lane 1/2/5: 3 minutes; Lane 3: 10 seconds; Lane 4: 15 seconds.

The observed molecular weight is consistent with the literature (PMID: 16091423).

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-FGF1 antibody [EPR19989] (ab207321)

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

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