


## Product datasheet

# Anti-FGF1 alpha antibody ab169748

[2 References](#) [2 Images](#)

### Overview

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<b>Product name</b>	Anti-FGF1 alpha antibody
<b>Description</b>	Mouse polyclonal to FGF1 alpha
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<p><b>Reacts with:</b> Human</p> <p><b>Predicted to work with:</b> Mouse, Rat, Sheep, Chicken, Hamster, Cow, Pig, Orangutan </p>
<b>Immunogen</b>	<p>Recombinant full length protein corresponding to Human FGF1 alpha aa 1-155.</p> <p>Database link: <a href="#">NP_000791.1</a></p>
<b>Positive control</b>	FGF1 alpha transfected 293T cell lysate; HeLa cells.
<b>General notes</b>	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications &amp; species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications &amp; species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications &amp; species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications &amp; species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&amp;As.</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.4 Constituent: 100% PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab169748** in the following tested applications.

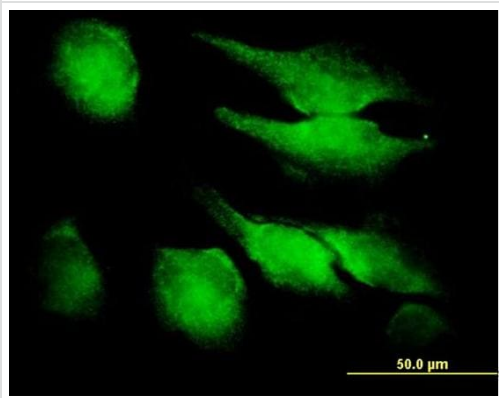
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 17 kDa.
ICC/IF		Use a concentration of 10 µg/ml.

## Target

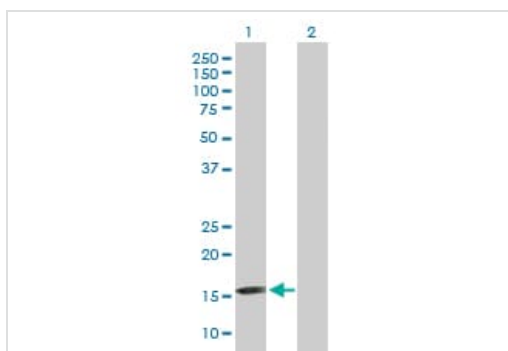
<b>Function</b>	The heparin-binding fibroblast growth factors play important roles in the regulation of cell survival, cell division, angiogenesis, cell differentiation and cell migration. They are potent mitogens in vitro.
<b>Sequence similarities</b>	Belongs to the heparin-binding growth factors family.
<b>Cellular localization</b>	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



Immunocytochemistry/ Immunofluorescence - Anti-FGF1 alpha antibody (ab169748)

Immunocytochemistry/Immunofluorescence analysis of HeLa cells labeling FGF1 alpha with ab169748 at 10μg/ml.



Western blot - Anti-FGF1 alpha antibody (ab169748)

**All lanes :** Anti-FGF1 alpha antibody (ab169748) at 1 μg/ml

**Lane 1 :** FGF1 alpha transfected 293T cell lysate

**Lane 2 :** Non-transfected 293T cell lysate

Lysates/proteins at 15 μl per lane.

**Predicted band size:** 17 kDa

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

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