

Biotin Anti-FGF1 antibody ab83163

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Overview

Product name	Biotin Anti-FGF1 antibody
Description	Biotin Rabbit polyclonal to FGF1
Host species	Rabbit
Conjugation	Biotin
Tested applications	Suitable for: Sandwich ELISA, WB
Species reactivity	Reacts with: Recombinant fragment
Immunogen	Highly pure (>98%) recombinant human FGF acidic
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&As</p>

Properties

Form	Lyophilized:Centrifuge vial prior to opening. Reconstitute in sterile PBS containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Constituent: PBS
Purity	Protein A purified
Purification notes	ab83163 is sterile filtered.
Clonality	Polyclonal
Isotype	IgG

Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab83163 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
Sandwich ELISA		Use a concentration of 0.25 - 1 µg/ml. Allows the detection of at least 0.2 - 0.4 ng/well of recombinant human FGF acidic.
WB		Use a concentration of 0.1 - 0.2 µg/ml. Predicted molecular weight: 17 kDa. The detection limit for recombinant human FGF acidic is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

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.

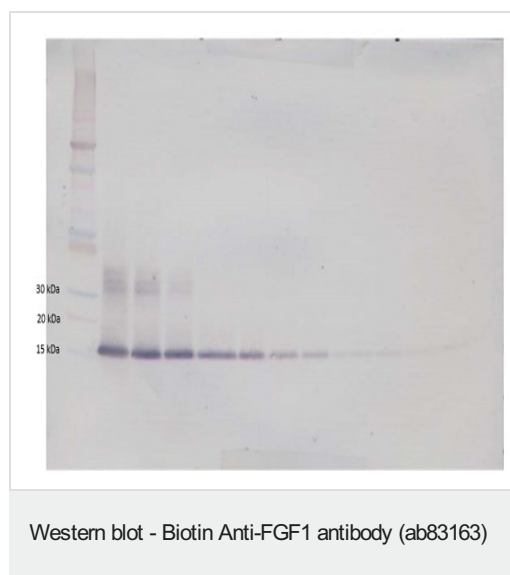
Sequence similarities

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.

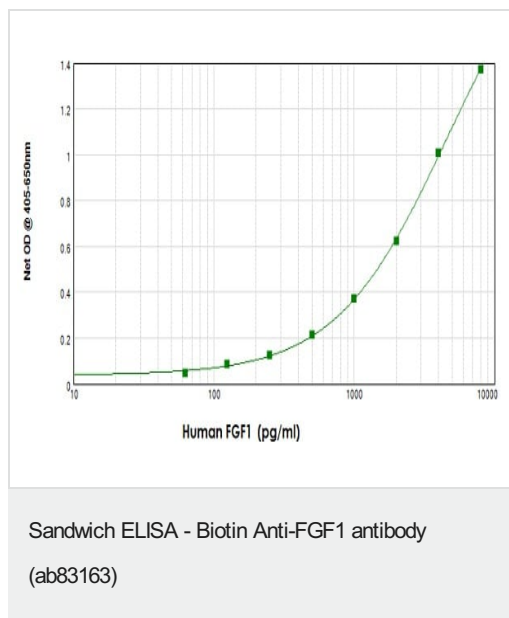
Images



To detect human FGF1 by Western Blot analysis ab83163 can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant human FGF1 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

Image shown is non-reducing conditions; Human recombinant FGF1 protein at 250 - 0.24 ng/ml.

Lane 1 is MW marker, lanes 2-12 human recombinant FGF1 protein.



To detect human FGF1 by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.25 – 1.0 µg/ml of ab83163 is required. This biotinylated polyclonal antibody, in conjunction with an anti-FGF1 (**ab9588**) as a capture antibody, allows the detection of at least 0.2 – 0.4 ng/well of recombinant human FGF1.

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

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