

Product datasheet

Anti-FGF1 antibody ab9588

★★★★★ [2 Abreviews](#) [13 References](#) [1 Image](#)

Overview

Product name	Anti-FGF1 antibody
Description	Rabbit polyclonal to FGF1
Host species	Rabbit
Tested applications	Suitable for: ELISA, Sandwich ELISA, WB, ICC/IF, IHC-Fr, Neutralising
Species reactivity	Reacts with: Rat, Human
Immunogen	Recombinant full length protein corresponding to Human FGF1. Highly pure (>98%) recombinant FGF1 (human Fibroblast Growth Factor-acidic). Database link: P05230
General notes	<p>This product is no longer batch tested in IHC, for an IHC validated antibody please see ab179455</p> <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:Reconstitute with 200µl of sterile water.
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG
Light chain type	unknown

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab9588 in the following tested applications.

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

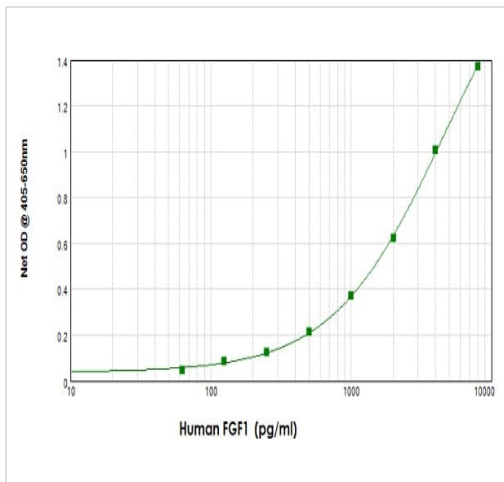
Application	Abreviews	Notes
ELISA		Use at an assay dependent concentration.
Sandwich ELISA		Use at an assay dependent concentration. To detect human FGF1 by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.25 – 1.0 µg/ml of ab83163 is required. This biotinylated polyclonal antibody, in conjunction with ab83163 as a capture antibody, allows the detection of at least 0.2 – 0.4 ng/well of recombinant human FGF1.
WB	★★★★★ (1)	Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
IHC-Fr	★★★★★ (1)	Use at an assay dependent concentration.
Neutralising		Use at an assay dependent concentration. To yield one-half maximal inhibition [ND50] of the biological activity of hFGF1 (30.0 ng/ml), a concentration of 0.46 - 0.9 µg/ml of this antibody is required.

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

ab9588 detecting FGF-1 in sELISA



Sandwich ELISA - Anti-FGF1 antibody (ab9588)

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

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