

## Product datasheet

# Anti-FGFR1 alpha antibody [M2F12] ab829

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### Overview

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<b>Product name</b>	Anti-FGFR1 alpha antibody [M2F12]
<b>Description</b>	Mouse monoclonal [M2F12] to FGFR1 alpha
<b>Host species</b>	Mouse
<b>Specificity</b>	Reacts with alpha isoform of FRFR1.
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human FGFR1 alpha. Recombinant human ectodomain of FGFR1a expressed in E. coli beginning with pro23; antigen contained NH2-terminal gly-ser-pro-gly-ile and COOH-terminal glu-phe sequences.
<b>Epitope</b>	NH2-terminus of unique NH2-terminal Ig loop of FGFR1. Epitope is within the sequence between glu30 and ala74 of FGFR1a.
<b>Positive control</b>	IHC: Rat prostate tissue.
<b>General notes</b>	<p>This product was changed from ascites to tissue culture supernatant on 19/12/2018. Please note that the dilutions may need to be adjusted accordingly. If you have any questions please do not hesitate to contact our scientific support team.</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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.40 Constituent: PBS
<b>Purity</b>	Protein G purified

<b>Purification notes</b>	Purified from TCS
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	M2F12
<b>Isotype</b>	IgG2a

## Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab829 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
ICC/IF		Use a concentration of 10 µg/ml.

## Target

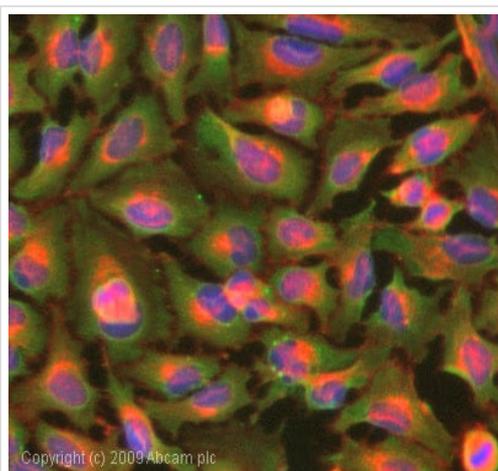
### Relevance

FGFR1 (fibroblast growth factor receptor 1) is a member of the fibroblast growth factor receptor family and contains an Ig-like domain and a tyrosine kinase domain. This receptor has multiple isoforms and is a Type I membrane protein. FGFR1 is widely expressed, with distinct isoforms expressed in specific tissues. FGFR1 binds fibroblast growth factor and induces mitogenesis and cellular differentiation. Defects in FGFR1 result in Pfeiffer syndrome associated with craniosynostosis. FGFR1 can be modified by phosphorylation and can bind basic/acidic fibroblast factor depending on the receptor isoform. FGFR1 has been shown to interact with N-cadherin and NCAM.

### Cellular localization

Cell Membrane

## Images



Immunocytochemistry/ Immunofluorescence - Anti-FGFR1 alpha antibody [M2F12] (ab829)

ICC/IF image of ab829 stained HeLa cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab829, 10µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

This image was generated using the ascites version of the product.

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

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