

Product Datasheet

FGFR1 Antibody (M2F12) - BSA Free NB120-829

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB120-829

Updated 10/23/2024 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB120-829



NB120-829

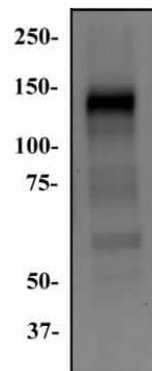
FGFR1 Antibody (M2F12) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	M2F12
Preservative	0.02% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	2260
Gene Symbol	FGFR1
Species	Human, Mouse, Rat
Specificity/Sensitivity	Reacts with alpha isoform of FRFR1. Reacts with the NH2-terminus of unique NH2-terminal Ig loop of FGFr1.
Immunogen	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.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 1 ug/mL, Flow Cytometry 1:500 - 1:1000, Immunohistochemistry reported in scientific literature (PMID 8168112), Immunocytochemistry/ Immunofluorescence 10 ug/ml, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Frozen 1:10 - 1:500, CyTOF-ready
Application Notes	Western blotting: 1 ug/mL recognizes 10 ng recombinant bacterial, baculo-viral, or native FGFr1. Immunoprecipitation: Native, nuclear, recombinant, and ligand-labeled FGFr1. Customers have reported difficulties using this antibody in immunocytochemistry staining (see review). This antibody does not appear to work in IHC paraffin embedded sections.

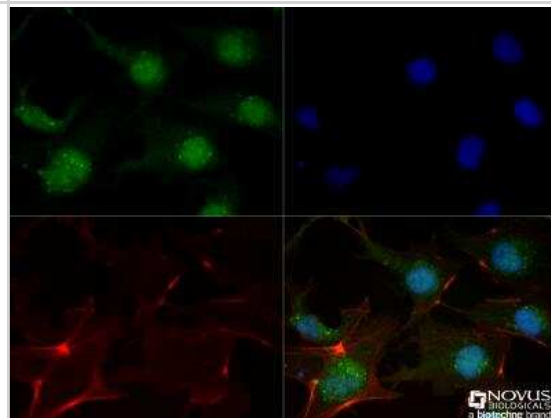


Images

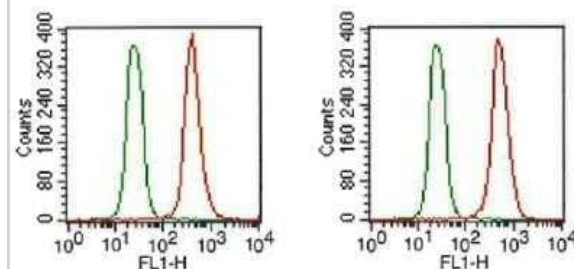
Western Blot: FGF R1 Antibody (M2F12) [NB120-829] - Total protein from Ntera-2 was separated on a 7.5% gel by SDS-PAGE. Protein was transferred to PVDF membrane, blocked and probed with 1 ug/ml of anti-FGFR1. FGFR1 protein was detected at approximately 150 kDa using an anti-mouse HRP secondary antibody.



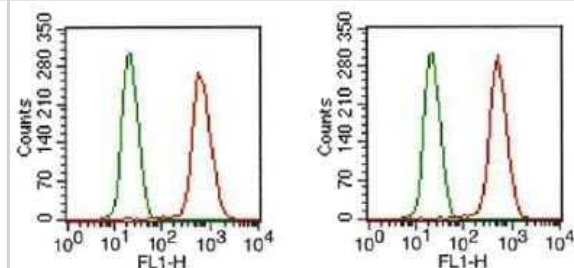
Immunocytochemistry/Immunofluorescence: FGF R1 Antibody (M2F12) [NB120-829] - NTERA2 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton-X100. The cells were incubated with FGR1 (M2F12) (NB120-829) at a 1:100 dilution overnight at 4 degrees Celsius and detected with Dylight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were detected with DAPI (Blue) at 2.0 ug/ml in 1X PBS. Cells were imaged using a 40X objective.



Flow Cytometry: FGF R1 Antibody (M2F12) [NB120-829] - Analysis of FGF R1 in MCF-7 cells (1×10^6 cells/ml) stained with FGF r1 antibody (NB120-829, red peaks) at a 1:1000 dilution. Detected with a FITC conjugated goat anti-mouse IgG. Shown with mIgG2a isotype control (green). Two distinct samples shown.



Flow Cytometry: FGF R1 Antibody (M2F12) [NB120-829] - Analysis of FGF R1 in HEK293 cells (2×10^6) stained with FGF R1 antibody (NB120-829, red) at a 1:1000 dilution and detected with a FITC conjugated goat anti-mouse IgG. Shown with mIgG2a isotype control (green). Two distinct samples shown.



Publications

Wang F, Kan M, McKeehan K et al. A homeo-interaction sequence in the ectodomain of the fibroblast growth factor receptor. *J Biol Chem.* 1997-09-19 [PMID: 9295338] (WB)

Zhao XM, Frist WH, Yeoh TK, Miller GG. Modification of alternative messenger RNA splicing of fibroblast growth factor receptors in human cardiac allografts during rejection. *J Clin Invest.* 1994-09-01 [PMID: 7521891] (IF/IHC, Human)

Morrison RS, Yamaguchi F, Bruner JM et al. Fibroblast growth factor receptor gene expression and immunoreactivity are elevated in human glioblastoma multiforme. *Cancer Res.* 1994-05-15 [PMID: 8168112] (IF/IHC, Human)





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB120-829

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
NB120-829AF405	FGFR1 Antibody (M2F12) [Alexa Fluor® 405]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB120-829

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

