

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.

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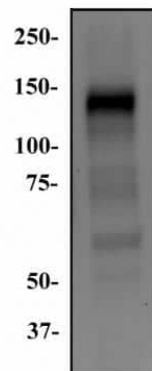
NB120-829

FGFR1 Antibody (M2F12) - BSA Free

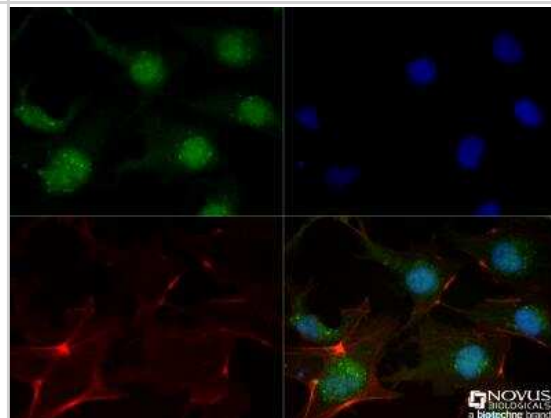
Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	M2F12
Preservative	0.02% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse FGFR1 Antibody (M2F12) - BSA Free (NB120-829) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. Anti-FGFR1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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

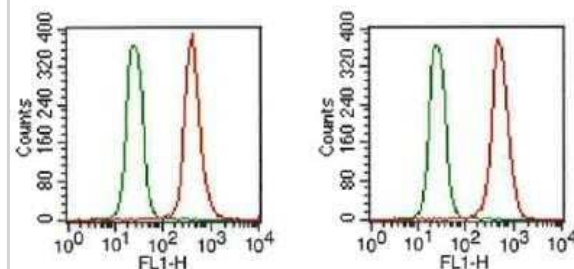
Western Blot: FGF R1 Antibody (M2F12) [NB120-829] - Total protein from Ntera-2 was separated on a 7.5% gel by SDS-PAGE. Protein was transferred to PVDF membrane, blocked and probed with 1 ug/ml of anti-FGFR1. FGFR1 protein was detected at approximately 150 kDa using an anti-mouse HRP secondary antibody.



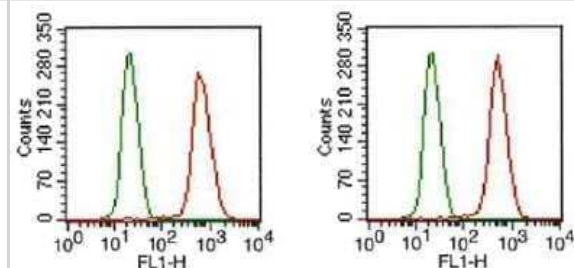
Immunocytochemistry/Immunofluorescence: FGF R1 Antibody (M2F12) [NB120-829] - NTERA2 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton-X100. The cells were incubated with FGR1 (M2F12) (NB120-829) at a 1:100 dilution overnight at 4 degrees 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)





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Products Related to NB120-829

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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.

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