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DATA SHEET

Mouse Anti-FGFR1 [M2F12]: MC0413

Intended Use: For Research Use Only

Description: The fibroblast growth factor receptor 1 belongs to the FGF Receptor subfamily. The full-length protein consists of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. Ligand binding results in the activation of a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. Various isoforms of FGFR1 have been identified that differ in structure and specificity.

Specifications:

Clone:	M2F12
Source:	Mouse
Isotype:	IgG2a/k
Reactivity:	Human, mouse, rat
Immunogen:	The ectodomain of human FGFR1 isoform α
Localization:	Cytoplasm, nucleus
Formulation:	Antibody in PBS buffer pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, ICC/IF, IP, WB

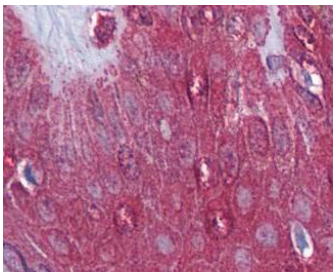
Package:

Description	Catalog No.	Size
FGFR1 Concentrated	MC0413	1 ml

IHC Procedure*:

Positive Control Tissue:	Breast
Concentrated Dilution:	25-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human skin stained with anti-FGFR1

References:

1. Overexpression of FGFR1 Promotes Peritoneal Dissemination Via Epithelial-to-Mesenchymal Transition in Gastric Cancer. Shimizu, D., Saito, T., et al. Cancer Genomics Proteomics. 7 July 2018.
2. FGFR1 Is a Potential Prognostic Biomarker and Therapeutic Target in Head and Neck Squamous Cell Carcinoma. Koole, K., Brunen, D., et al. Clinical Cancer Research. 1 August 2016.
3. Whole-genome sequencing identifies genetic alterations in pediatric low-grade gliomas. Zhang, J., Wu, G., et al. Nature Genetics. 1 June 2013.
4. Fibroblast Growth Factor Receptor-1 Signaling in Pancreatic Islet β-Cells Is Modulated by the Extracellular Matrix. Dawn M. Kilkenny, et al. Mol Endocrinol. Jan; 22(1): 196–205, 2008.

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