

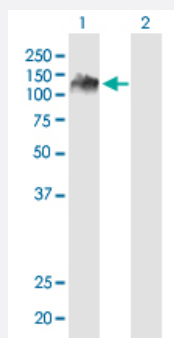
CX Grade

FGFR2 monoclonal antibody (M01J), clone 1G3

Catalog # H00002263-M01J

Size 100 ug

Applications

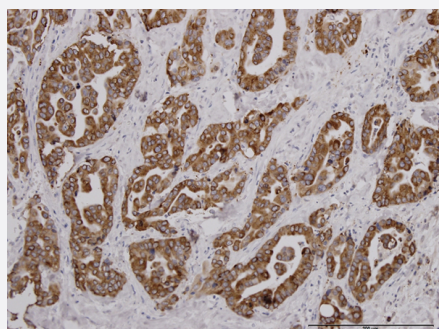


Western Blot (Transfected lysate)

Western Blot analysis of FGFR2 expression in transfected 293T cell line by FGFR2 monoclonal antibody (M01J), clone 1G3.

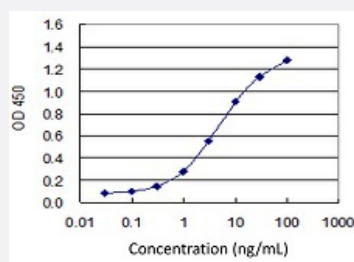
Lane 1: FGFR2 transfected lysate (Predicted MW: 92 KDa).

Lane 2: Non-transfected lysate.



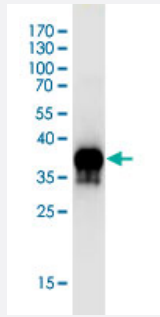
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to FGFR2 on formalin-fixed paraffin-embedded human stomach carcinoma. [antibody concentration 5 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FGFR2 is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.07 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant FGFR2. This product is belong to Cell Culture Grade Antibody (CX Grade).
Immunogen	FGFR2 (AAH39243, 621 a.a. ~ 723 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GHRMDKPANCTNELYMMMRDCWHAVPSQRPTFKQLVEDLDRILTLTTNEEYLDLSQPLEQYSPS YPDTRSSCSSGDDSVFSPDPMPYEPCLPQYPHINGSVKT
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (97)
Preparation Method	Cell Culture Production
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.07 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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[Protocol Download](#)

- ELISA

Gene Info — FGFR2

Entrez GeneID [2263](#)

GeneBank Accession# [BC039243](#)

Protein Accession# [AAH39243](#)

Gene Name FGFR2

Gene Alias BEK, BFR-1, CD332, CEK3, CFD1, ECT1, FLJ98662, JWS, K-SAM, KGFR, TK14, TK25

Gene Description fibroblast growth factor receptor 2

Omim ID [101200](#) [101400](#) [101600](#) [123150](#) [123500](#) [123790](#) [137215](#) [149730](#) [176943](#) [207410](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein consists of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member is a high-affinity receptor for acidic, basic and/or keratinocyte growth factor, depending on the isoform. Mutations in this gene are associated with Crouzon syndrome, Pfeiffer syndrome, Craniosynostosis, Apert syndrome, Jackson-Weiss syndrome, Beare-Stevenson cutis gyrata syndrome, Saethre-Chotzen syndrome, and syndromic craniosynostosis. Multiple alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq]

Other Designations

BEK fibroblast growth factor receptor|FGF receptor|OTTHUMP00000020621|OTTHUMP00000020629|bacteria-expressed kinase|hydroxyaryl-protein kinase|keratinocyte growth factor receptor|protein tyrosine kinase, receptor like 14|soluble FGFR4 variant 4

Pathway

- [Endocytosis](#)
- [MAPK signaling pathway](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Acrocephalosyndactylia](#)
- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Carcinoma](#)

- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Craniofacial Dysostosis](#)
- [Craniosynostoses](#)
- [Cystadenocarcinoma](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Disease Susceptibility](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Genetic Predisposition to Disease](#)
- [Hypersensitivity](#)
- [Hypospadias](#)
- [Lymphatic Metastasis](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Metabolic Syndrome X](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Schizophrenia](#)

- [Skin Neoplasms](#)
- [Sleep Apnea](#)
- [Tobacco Use Disorder](#)