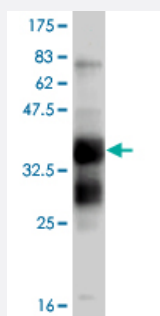


FGFR1 monoclonal antibody (M17), clone 2C1

Catalog # H00002260-M17

Size 100 ug

Applications



Western Blot detection against Immunogen (37.4 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant FGFR1.
Immunogen	FGFR1 (NP_000595.1, 303 a.a. ~ 408 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	DNLPHYQLKTAGVNTTDDKEMEVLHLRNVSFEDAGEYTCLAGNSIGLSHSAWLTVLEALEERPAV MTSPLYLEIIYCTGAFLISCMVGSVIVYKMKSGTKKSDF
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.4 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 (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — FGFR1

Entrez GeneID [2260](#)

GeneBank Accession# [NM_000604](#)

Protein Accession# [NP_000595.1](#)

Gene Name FGFR1

Gene Alias BFGFR, CD331, CEK, FGFBR, FLG, FLJ99988, FLT2, HBGFR, KAL2, N-SAM

Gene Description fibroblast growth factor receptor 1

Omim ID [101600](#) [123150](#) [136350](#) [147950](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the fibroblast growth factor receptor (FGFR) 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 binds both acidic and basic fibroblast growth factors and is involved in limb induction. Mutations in this gene have been associated with Pfeiffer syndrome, Jackson-Weiss syndrome, Antley-Bixler syndrome, osteoglophonic dysplasia, and autosomal dominant Kallmann syndrome 2. Chromosomal aberrations involving this gene are associated with stem cell myeloproliferative disorder and stem cell leukemia lymphoma syndrome. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq]

Other Designations

FMS-like tyrosine kinase 2|OTTHUMP00000190874|OTTHUMP00000190878|OTTHUMP00000190879|OTTHUMP00000190881|basic fibroblast growth factor receptor 1|fms-related tyrosine kinase 2|fms-related tyrosine kinase-2|heparin-binding growth factor receptor|hydroxyaryl

Pathway

- [Adherens junction](#)

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

Disease

- [Abnormalities](#)
- [Acrocephalosyndactylia](#)
- [Alzheimer disease](#)
- [Amenorrhea](#)
- [Anodontia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Cardiovascular Diseases](#)
- [Chromosome Aberrations](#)
- [Chromosome Disorders](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Craniofacial Dysostosis](#)
- [Craniosynostoses](#)
- [Diabetes Complications](#)
- [Fractures](#)
- [Genetic Diseases](#)

- [Genetic Predisposition to Disease](#)
- [Hypersensitivity](#)
- [Hypogonadism](#)
- [Kallmann Syndrome](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Sleep Apnea](#)
- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Tooth Abnormalities](#)