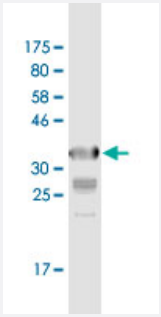
CX Grade

FGFR1 monoclonal antibody (M09C), clone 1B12

Catalog # H00002260-M09C Size 200 uL

Applications



Western Blot detection against Immunogen (37.4 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant FGFR1. This product is belong to Cell Culture Grade Antibody (CX Grade).
Immunogen	FGFR1 (NP_075598.2, 303 a.a. ~ 408 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	DNLPYVQILKTAGVNTTDKEMEVLHLRNVSFEDAGEYTCLAGNSIGLSHHSAWLTVLEALEERPAV MTSPLYLEIIIYCTGAFLISCMVGSVIVYKMKSGTKKSDF
Host	Mouse
Reactivity	Human
Preparation Method	Cell Culture Production
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.4 KDa) .
Storage Buffer	In condensed culture supernatant
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_023110.2
Protein Accession#	NP_075598.2
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) fa mily, 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 f ull-length representative protein consists of an extracellular region, composed of three immunoglo bulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosin e kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, se tting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differenti ation. This particular family member binds both acidic and basic fibroblast growth factors and is in volved in limb induction. Mutations in this gene have been associated with Pfeiffer syndrome, Jac kson-Weiss syndrome, Antley-Bixler syndrome, osteoglophonic dysplasia, and autosomal domina nt 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 h ave been fully characterized. [provided by RefSeq
Other Designations	FMS-like tyrosine kinase 2|OTTHUMP00000190874|OTTHUMP00000190878|OTTHUMP00000 190879|OTTHUMP00000190881|basic fibroblast growth factor receptor 1|fms-related tyrosine ki nase 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