

RecomAb™

FGFR3 recombinant monoclonal antibody, clone R06-6F4

Catalog # RAB01802 Size 100 uL

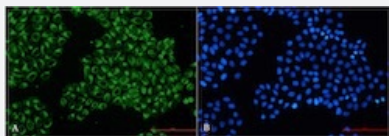
Applications



Western Blot

Western blot analysis of HeLa lysates with FGFR3 recombinant monoclonal antibody, clone R06-6F4 (Cat # RAB01802).

Immunocytochemistry



Immunocytochemical staining of HeLa with FGFR3 recombinant monoclonal antibody, clone R06-6F4 (Cat # RAB01802). (A) FGFR3 (green) and (B) DAPI (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human FGFR3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human FGFR3.
Theoretical MW (kDa)	Calculated MW: 88 kD
Reactivity	Human
Form	Liquid

Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1/100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Hela lysates with FGFR3 recombinant monoclonal antibody, clone R06-6F4 (Cat # RAB01802).

- Immunohistochemistry

- Immunocytochemistry

Immunocytochemical staining of HeLa with FGFR3 recombinant monoclonal antibody, clone R06-6F4 (Cat # RAB01802).(A) FGFR3 (green) and (B) DAPI (blue).

- Immunofluorescence

Gene Info — FGFR3

Entrez GeneID	2261
Protein Accession#	P22607
Gene Name	FGFR3
Gene Alias	ACH, CD333, CEK2, HSGFR3EX, JTK4
Gene Description	fibroblast growth factor receptor 3
Omim ID	100800 109800 134934 146000 149730 162900 187600 602849 603956 610474

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a member of the fibroblast growth factor receptor (FGFR) family, with its amino acid sequence being highly conserved between members and among divergent species. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist 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 acidic and basic fibroblast growth hormone and plays a role in bone development and maintenance. Mutations in this gene lead to craniosynostosis and multiple types of skeletal dysplasia. Three alternatively spliced transcript variants that encode different protein isoforms have been described. [provided by RefSeq]

Other Designations

OTTHUMP00000149959|achondroplasia, thanatophoric dwarfism|hydroxyaryl-protein kinase|tyrosine kinase JTK4

Pathway

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

Disease

- [Achondroplasia](#)
- [Alzheimer disease](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cheilitis](#)
- [Chromosome Aberrations](#)
- [Chromosome Deletion](#)
- [Cleft Lip](#)

- [Cleft Palate](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Craniosynostoses](#)
- [Diabetes Complications](#)
- [Disease Progression](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Intracranial Hypertension](#)
- [Kidney Neoplasms](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Musculoskeletal Abnormalities](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Osteochondrodysplasias](#)
- [Osteoporosis](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Recurrence](#)
- [Skin Neoplasms](#)
- [Sleep Apnea](#)
- [Syndrome](#)

- [Thanatophoric Dysplasia](#)
- [Ureteral Neoplasms](#)
- [Urinary Bladder Neoplasms](#)