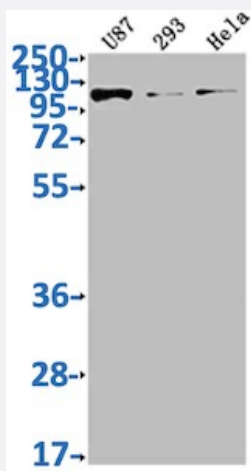


RecomAb™

FGFR3 recombinant monoclonal antibody, clone 6D4

Catalog # RAB04078 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: U87 whole cell lysate; Lane 2: 293 whole cell lysate; Lane 3: HeLa whole cell lysate.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human FGFR3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human FGFR3.
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °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 Lane 1: U87 whole cell lysate; Lane 2: 293 whole cell lysate; Lane 3: Hela whole cell lysate.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — FGFR3

Entrez GeneID	2261
Protein Accession#	P22607
Gene Name	FGFR3
Gene Alias	ACH, CD333, CEK2, HSFGR3EX, 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]
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Other Designations	OTTHUMP00000149959 achondroplasia, thanatophoric dwarfism hydroxyaryl-protein kinase tyrosine kinase JTK4
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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](#)