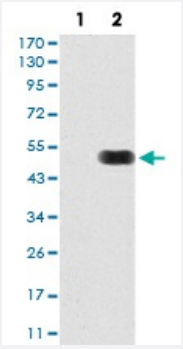
FGFR3 monoclonal antibody, clone 1E3F9

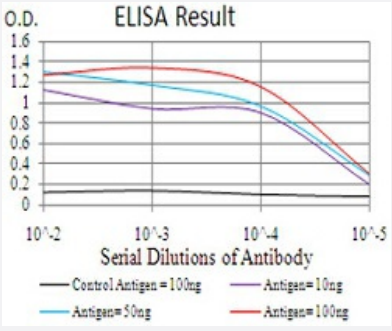
Catalog # MAB16731 Size 100 ug

Applications



Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: FGFR3-hIgGFc transfected HEK293 cell with FGFR3 monoclonal antibody.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of FGFR3 monoclonal antibody, clone 1E3F9.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human FGFR3.
Immunogen	Recombinant protein corresponding to amino acid 529-694 of human FGFR3 from *E. coli*.
Host	Mouse
Theoretical MW (kDa)	87.7
Reactivity	Human
Form	Liquid
Isotype	IgG2a

Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry Immunocytochemistry Flow Cytometry The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

  Western blot analysis of Lane 1: HEK293 cell; Lane 2: FGFR3-hIgGFc transfected HEK293 cell with FGFR3 monoclonal antibody.

- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis of FGFR3 monoclonal antibody, clone 1E3F9.

Gene Info — FGFR3

Entrez GeneID	2261
Gene Name	FGFR3
Gene Alias	ACH, CD333, CEK2, HSFGFR3EX, 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