

DNAPab

Hard-to-Find
Antibody

FGFR3 DNAPab

Catalog # H00002261-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human FGFR3 DNA using DNAX™ Immune technology.
Technology	DNAX™ Immune
Immunogen	Full-length human DNA
Sequence	MGAPACALALCVAVAVAGASSESLGTEQRVVGRAAEVPGPEPGQQEQLVFGSGDAVELSCPP PGGGPMGPTVWVKDGTGLVPSERVLVGPQRLQVLNASHEDSGAYSCRQRLTQRVLCHFVSRVT DAPSSGDDDEGEDEAEDTGVDTGAPYWTRPERMDKKLLAVPAANTVRFRCPPAAGNPTPSISWL KNGREFRGEHRIGGIKLRHQQWSLVMEVVPVSDRGNYTCVVENKFGSIRQTYTLDVLERSPHRPIL QAGLPANQTAVLGSDVEFHCKVYSDAQPHIQWLKHVEVNGSKVGPDPGTPYVTVLKTAGANTTDK ELEVLSLHNVTFEDAGEYTCLAGNSIGFSHSAWLVVLPAAEEELVEADEAGSVYAGILSYGVGFFL FILVVAAVTLCRLRSPPKGLGSPTVHKISRFLKQVSLASNASSNTPLVRIARLSSGEGPTL ANVSELELPADPKWELSRARLTGKPLGEGCFGQVMAEAIGDKDRAAKPVTVAVKMLKDDAT DKDLSDLVSEMEMMKMIGKHKNINLLGACTQGGPLYVLVEYAAKGNLREFLRARRPPGLDYSFD TCKPPEEQLTFKDLVSCAYQVARGMEYLASQKCIHRDLAARNVLVTEDNVMKIADFGIARDVHNL DYYKKTNGRLPVKWWMAPEALFDRVYTHQSDVWSFGVLLWEIFTLGGSPYPGIPVEELFKLLKEG HRMDKPANCTHDLYMIMRECWAAPSQRPTFKQLVEDLDRVLTVTSTDEYLDLSAPFEQYSPGG QDTPSSSSSGDDSVFAHDLLPPAPPSSSGSRT
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
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 (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — FGFR3

Entrez GeneID [2261](#)

GeneBank Accession# [BC166684.1](#)

Protein Accession# [AA166684.1](#)

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](#)