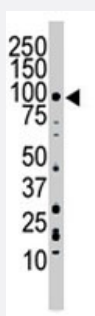


FGFR3 polyclonal antibody

Catalog # PAB3043

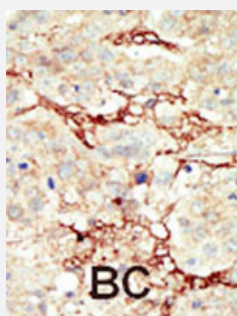
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of FGFR3 polyclonal antibody (Cat # PAB3043) in Jurkat cell lysate. FGFR3 (Arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with FGFR3 polyclonal antibody (Cat # PAB3043), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of FGFR3.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human FGFR3.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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 should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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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

Publication Reference

- [Targeting FGFR pathway in human hepatocellular carcinoma \(HCC\) expressing pFGFR and pMET for anti-tumor activity.](#)

Jo JC, Choi EK, Shin JS, Moon JH, Hong SW, Lee HR, Kim SM, Jung SA, Lee DH, Jung SH, Lee SH, Kim JE, Kim KP, Hong YS, Suh YA, Jang SJ, Choi EK, Lee JS, Jin DH, Kim TW.

Molecular Cancer Therapeutics 2015 Nov; 14(11):2613.

Application: IP, WB, Human, Human liver carcinoma cells

- [FGFR3IIIS: a novel soluble FGFR3 spliced variant that modulates growth is frequently expressed in tumour cells.](#)

Sturla LM, Merrick AE, Burchill SA.

British Journal of Cancer 2003 Oct; 89(7):1276.

Application: IP, WB, Human, TC-32 cells

- [\[Typical features of craniofacial growth of the FGFR3-associated coronal synostosis syndrome \(so-called Muenke craniosynostosis\)\].](#)

Reinhart E, Eulert S, Bill J, Wurzler K, Phan The L, Reuther J.

Mund-, Kiefer- und Gesichtschirurgie : MKG 2003 Apr; 7(3):132.

- [The thanatophoric dysplasia type II mutation hampers complete maturation of fibroblast growth factor receptor 3 \(FGFR3\), which activates signal transducer and activator of transcription 1 \(STAT1\) from the endoplasmic reticulum.](#)

Lievens PM, Liboi E.

The Journal of Biological Chemistry 2003 May; 278(19):17344.

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](#)
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- [Recurrence](#)
- [Skin Neoplasms](#)
- [Sleep Apnea](#)
- [Syndrome](#)
- [Thanatophoric Dysplasia](#)
- [Ureteral Neoplasms](#)
- [Urinary Bladder Neoplasms](#)