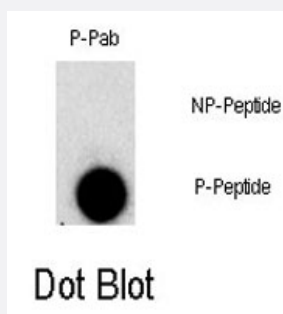


FGFR1 (phospho Y307) polyclonal antibody

Catalog # PAB0468

Size 400 uL

Applications



Dot Blot (Peptide)

Dot blot analysis of FGFR1 (phospho Y307) polyclonal antibody (Cat # PAB0468) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. P-Pab : phospho-antibody; P-Peptide : phospho-peptide; NP-Peptide : non-phospho-peptide.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of FGFR1.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y307 of human FGFR1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	Dot Blot (1:100-500) 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

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Gene Info — FGFR1

Entrez GeneID	2260
Protein Accession#	NP_075598;P11362
Gene Name	FGFR1
Gene Alias	BFGFR, CD331, CEK, FGFR, FLG, FLJ99988, FLT2, HBGFR, KAL2, N-SAM
Gene Description	fibroblast growth factor receptor 1
Omim ID	101600 123150 136350 147950
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the fibroblast growth factor receptor (FGFR) family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein consists 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 both acidic and basic fibroblast growth factors and is involved in limb induction. Mutations in this gene have been associated with Pfeiffer syndrome, Jackson-Weiss syndrome, Antley-Bixler syndrome, osteoglophonic dysplasia, and autosomal dominant Kallmann syndrome 2. Chromosomal aberrations involving this gene are associated with stem cell myeloproliferative disorder and stem cell leukemia lymphoma syndrome. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq]
Other Designations	FMS-like tyrosine kinase 2 OTTHUMP00000190874 OTTHUMP00000190878 OTTHUMP00000190879 OTTHUMP00000190881 basic fibroblast growth factor receptor 1 fms-related tyrosine kinase 2 fms-related tyrosine kinase-2 heparin-binding growth factor receptor hydroxyaryl

Publication Reference

- [90-kDa ribosomal S6 kinase is a direct target for the nuclear fibroblast growth factor receptor 1 \(FGFR1\): role in FGFR1 signaling.](#)

Hu Y, Fang X, Dunham SM, Prada C, Stachowiak EK, Stachowiak MK.

The Journal of Biological Chemistry 2004 Apr; 279(28):29325.

- [Kinetic model for FGF, FGFR, and proteoglycan signal transduction complex assembly.](#)

Ibrahimi OA, Zhang F, Hrstka SC, Mohammadi M, Linhardt RJ.

Biochemistry 2004 Apr; 43(16):4724.

- [Clinical assessment and mutation analysis of Kallmann syndrome 1 \(KAL1\) and fibroblast growth factor receptor 1 \(FGFR1, or KAL2\) in five families and 18 sporadic patients.](#)

Sato N, Katsumata N, Kagami M, Hasegawa T, Hori N, Kawakita S, Minowada S, Shimotsuka A, Shishiba Y, Yokozawa M, Yasuda T, Nagasaki K, Hasegawa D, Hasegawa Y, Tachibana K, Naiki Y, Horikawa R, Tanaka T, Ogata T.

The Journal of Clinical Endocrinology and Metabolism 2004 Mar; 89(3):1079.

Pathway

- [Adherens junction](#)
- [MAPK signaling pathway](#)
- [Melanoma](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Abnormalities](#)
- [Acrocephalosyndactylia](#)
- [Alzheimer disease](#)
- [Amenorrhea](#)
- [Anodontia](#)

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Cardiovascular Diseases](#)
- [Chromosome Aberrations](#)
- [Chromosome Disorders](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Craniofacial Dysostosis](#)
- [Craniosynostoses](#)
- [Diabetes Complications](#)
- [Fractures](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Hypersensitivity](#)
- [Hypogonadism](#)
- [Kallmann Syndrome](#)
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- [Puberty](#)
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- [Sleep Apnea](#)

- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
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- [Tooth Abnormalities](#)