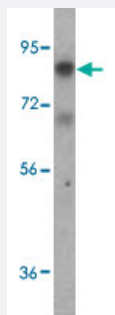


FGFR1 (phospho Y766) polyclonal antibody

Catalog # PAB0472

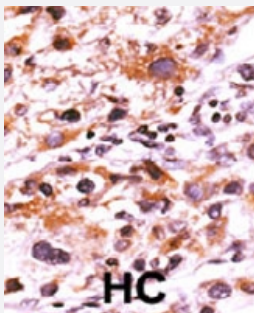
Size 400 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of FGFR1 (phospho Y766) polyclonal antibody (Cat # PAB0472) in mouse cerebellum tissue lysate. Phospho-FGFR1-Y766 (arrow) was detected using the purified polyclonal antibody.



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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with FGFR1 (phospho Y766) polyclonal antibody (Cat # PAB0472) which was peroxidase-conjugated to the secondary antibody followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of FGFR1.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y766 of human FGFR1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	Immunohistochemistry (1:50-100) Western Blot (1:1000) 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 (Tissue lysate)

Western blot analysis of FGFR1 (phospho Y766) polyclonal antibody (Cat # PAB0472) in mouse cerebellum tissue lysate. Phospho-FGFR1-Y766 (arrow) was detected using the purified polyclonal antibody.

- Western Blot (Cell lysate)

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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with FGFR1 (phospho Y766) polyclonal antibody (Cat # PAB0472) which was peroxidase-conjugated to the secondary antibody followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

Gene Info — FGFR1

Entrez GeneID	2260
Protein Accession#	NP_075598;P11362
Gene Name	FGFR1
Gene Alias	BFGFR, CD331, CEK, FGFBR, 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

- [Depletion of CLK2 sensitizes glioma stem-like cells to PI3K/mTOR and FGFR inhibitors.](#)

Soon Young Park, Sandeep Mittal, Jianwen Dong, Kangjin Jeong, Emmanuel Martinez-Ledesma, Yuji Piao, Sabbir Khan, Verlene Henry, Roel Gw Verhaak, Nazanin Majd, Veerakumar Balasubramanian, John F de Groot.

American Journal of Cancer Research 2020 Nov; 10(11):3765.

Application: WB-Ce, Human, Human glioma stem-like cells

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](#)
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