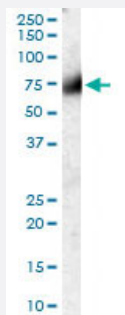


FGFR1 polyclonal antibody

Catalog # PAB6742

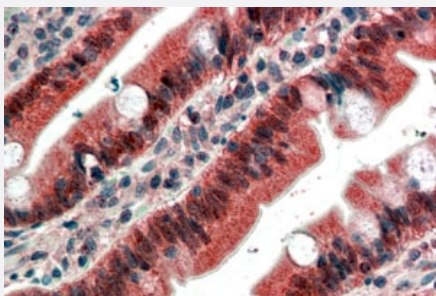
Size 100 ug

Applications



Western Blot (Tissue lysate)

FGFR1 polyclonal antibody (Cat # PAB6742) (0.3 ug/mL) staining of human breast lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



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

FGFR1 polyclonal antibody (4 ug/mL) staining of paraffin embedded human small intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of FGFR1.
Immunogen	A synthetic peptide corresponding to human FGFR1.
Sequence	CLPRHPAQLANGGLKR
Host	Goat
Theoretical MW (kDa)	91.9, 91.6, 82.2, 81
Reactivity	Human

Specificity	This antibody is expected to recognize 5 (out of nine reported) isoforms (as represented by NP_000595, NP_056934, NP_075593, NP_075594, NP_075599).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:32000) Western blot (0.3-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4-6 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	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)

FGFR1 polyclonal antibody (Cat # PAB6742) (0.3 ug/mL) staining of human breast lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

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

FGFR1 polyclonal antibody (4 ug/mL) staining of paraffin embedded human small intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — FGFR1

Entrez GeneID	2260
Protein Accession#	NP_000595;NP_056934;NP_075593;NP_075594;NP_075599
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

- [Expression and function of placenta growth factor: implications for abnormal placentation.](#)

Torry DS, Mukherjea D, Arroyo J, Torry RJ.

Journal of the Society for Gynecologic Investigation 2003 May; 10(4):178.

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](#)
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