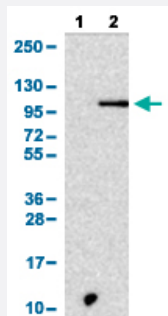


# FGFR1 polyclonal antibody

Catalog # PAB30294      Size 100 uL

## Applications

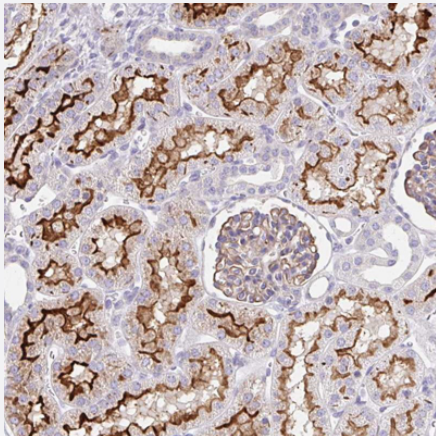


### Western Blot (Cell lysate)

Western Blot analysis with FGFR1 polyclonal antibody (Cat # PAB30294).

Lane 1: Human cell line RT-4

Lane 2: Human cell line U-251MG sp



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with FGFR1 polyclonal antibody (Cat # PAB30294) shows strong membranous positivity in cells in tubules.

## Specification

|                            |                                                                            |
|----------------------------|----------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against partial recombinant human FGFR1. |
| <b>Immunogen</b>           | Recombinant protein corresponding to amino acids 27-80 of human FGFR1.     |
| <b>Sequence</b>            | LPEQAQPWGAPVEVESFLVHPGDLLQLRCRLRDDVQSINWLRDGVQLAESNRTR                     |
| <b>Host</b>                | Rabbit                                                                     |
| <b>Reactivity</b>          | Human                                                                      |

|                     |                                                                                                                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form                | Liquid                                                                                                                                                                                    |
| Purification        | Antigen affinity purification                                                                                                                                                             |
| Isotype             | IgG                                                                                                                                                                                       |
| Recommend Usage     | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50 - 1:200)<br>Western Blot (1:100 - 1:250)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).                                                                                                                                        |
| Storage Instruction | Store at 4°C for short term storage. For long term storage store at -20°C.<br>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 — FGFR1

|                    |                                                                                             |
|--------------------|---------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">2260</a>                                                                        |
| Protein Accession# | <a href="#">P11362</a>                                                                      |
| 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            | <a href="#">101600</a> <a href="#">123150</a> <a href="#">136350</a> <a href="#">147950</a> |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                   |

## 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

## 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](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Sleep Apnea](#)
- [Thrombophilia](#)

- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Tooth Abnormalities](#)