



# FGFR-5 Polyclonal Antibody

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| <b>Catalog No</b>                  | YP-Ab-13243                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Reactivity</b>                  | Human;Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Applications</b>                | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Gene Name</b>                   | FGFRL1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Immunogen</b>                   | Synthesized peptide derived from FGFR-5 . at AA range: 130-210                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Specificity</b>                 | FGFR-5 Polyclonal Antibody detects endogenous levels of FGFR-5 protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Dilution</b>                    | Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>                    | FGFR-5;FGFRL1;Fibroblast growth factor receptor-like 1;FGFR5;FHFR;FGF receptor-like protein 1;FGF homologous factor receptor;FGFR-like protein; Fibroblast growth factor receptor 5                                                                                                                                                                                                                                                                                                                                              |
| <b>Observed Band</b>               | 54kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Calculated Molecular Weight</b> | 54kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Cell Pathway</b>                | Membrane ; Single-pass type I membrane protein . Predominantly localized in the plasma membrane but also detected in the Golgi and in secretory vesicles.                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Tissue Specificity</b>          | Expressed preferentially in cartilaginous tissues and pancreas. Highly expressed in the liver, kidney, heart, brain and skeletal muscle. Weakly expressed in the lung, small intestine and spleen.                                                                                                                                                                                                                                                                                                                               |
| <b>Function</b>                    | function:Has a negative effect on cell proliferation.,similarity:Contains 3 Ig-like C2-type (immunoglobulin-like) domains.,subcellular location:Predominantly localized in the plasma membrane but also detected in the Golgi and in secretory vesicles.,subunit:Interacts with FGF2 with a low affinity.,tissue specificity:Expressed preferentially in cartilaginous tissues and pancreas. Highly expressed in the liver, kidney, heart, brain and skeletal muscle. Weakly expressed in the lung, small intestine and spleen., |



## Background

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 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. A marked difference between this gene product and the other family members is its lack of a cytoplasmic tyrosine kinase domain. The result is a transmembrane receptor that could interact with other

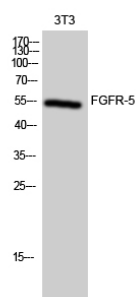
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of 3T3 cells using FGFR-5 Polyclonal Antibody