

Product datasheet for **AP06428PU-M**

FGFR1 Rabbit Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | IF, WB |
| Recommended Dilution: | Western blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200. |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide, corresponding to amino acids 621-670 of Human FGFR1. |
| Specificity: | This antibody detects endogenous levels of FGFR1 protein. (region surrounding Ile648) |
| Formulation: | Phosphate Buffered Saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE). Preservative: 15 mM Sodium Azide |
| Concentration: | 1.0 mg/ml |
| Purification: | Affinity Chromatography using epitope-specific immunogen. |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: One year from despatch. |
| Predicted Protein Size: | ~ 120, 145 kDa |
| Gene Name: | fibroblast growth factor receptor 1 |
| Database Link: | <u>Entrez Gene 14182 Mouse</u> <u>Entrez Gene 79114 Rat</u> <u>Entrez Gene 2260 Human P11362</u> |



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Background:

FGFR1 (fibroblast growth factor receptor 1) is a member of the fibroblast growth factor receptor family containing an Ig-like domain and a tyrosine kinase domain. This receptor has multiple isoforms and is a Type I membrane protein. FGFR1 is a widely expressed membrane receptor, with distinct isoforms expressed in specific tissues. FGFR1 binds fibroblast growth factor and induces mitogenesis and cellular differentiation. Defects in FGFR1 result in Pfeiffer syndrome associated with craniosynostosis. FGFR1 can be modified by phosphorylation and can bind basic/acidic fibroblast factor depending on the receptor isoform. FGFR1 has been shown to interact with N-cadherin and NCAM.

Synonyms:

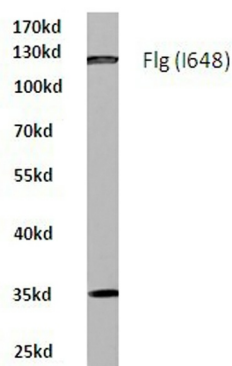
BFGFR, CEK, FGFBR, FLG, FLT2, HBGFR, BFGFR, bFGF-R-1, FLT-2, N-sam, Proto-oncogene c-Fgr

Protein Families:

Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways:

Adherens junction, MAPK signaling pathway, Melanoma, Pathways in cancer, Prostate cancer, Regulation of actin cytoskeleton

Product images:


RAW264.7 whole cell lysate
Flg (I648) pAb at 1:500 dilution

Western blot (WB) analysis of FGFR1 antibody in extracts from RAW264.7 cells.