

## Product datasheet for **AP20940PU-N**

### FGFR1 pTyr154 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	<b>Immunohistochemistry on paraffin sections</b> 1/50 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of FGFR1 protein only when phosphorylated at Tyr154.
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
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:	<a href="#">Entrez Gene 14182 Mouse</a> <a href="#">Entrez Gene 79114 Rat</a> <a href="#">Entrez Gene 2260 Human P11362</a>



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**Background:**

FGFR1 (fibroblast growth factor receptor 1) is a member of the fibroblast growth factor receptor family and contains an Ig-like domain and a tyrosine kinase domain. This receptor has multiple isoforms and is a Type I membrane protein.

FGFR1 is widely expressed, 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:**

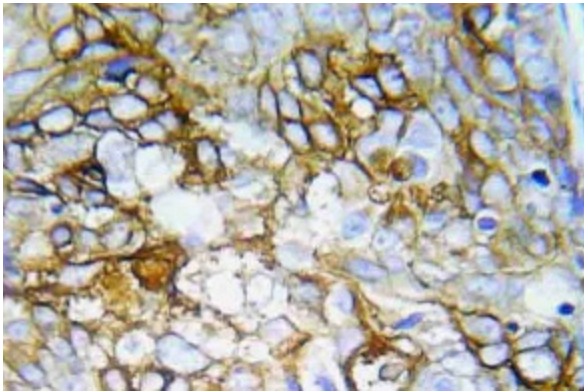
BFGFR, CEK, FGFBR, FLG, FLT2, HBGFR, BFGFR, bFGF-R-1, FLT-2, N-sam, Proto-oncogene c-Fgr

**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:**

Immunohistochemistry (IHC) analyzes of p-FGFR1 antibody (Cat.-No.: AP20940PU-N) in paraffin-embedded human lung adenocarcinoma tissue.