

## Product datasheet for **AP06120PU-N**

### FGFR3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500-1/1000. <b>Immunohistochemistry on Paraffin Sections:</b> 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 120-167 of Human FGFR3.
Specificity:	This antibody detects endogenous levels of FGFR3 protein. (region surrounding Trp153)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE). Preservative: 0.05% 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:	~95 kDa
Gene Name:	fibroblast growth factor receptor 3
Database Link:	<a href="#">Entrez Gene 2261 Human P22607</a>



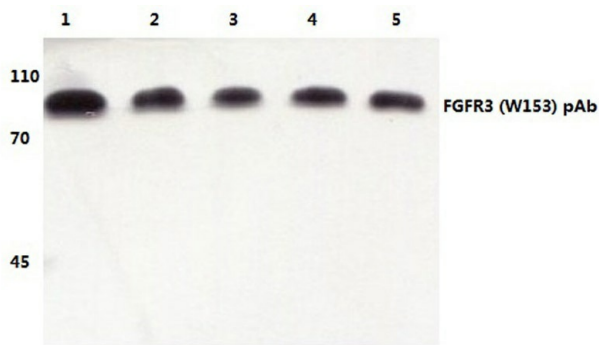
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**Background:**

Acidic and basic fibroblast growth factors (FGFs) are members of a family of multifunctional polypeptide growth factors that stimulate proliferation of cells of mesenchymal, epithelial and neuroectodermal origin. Like other growth factors, FGFs act by binding and activating specific cell surface receptors. These include the Flg receptor or FGFR-1, the Bek receptor (or FGFR-2), FGFR-3, FGFR-4, FGFR-5 and FGFR-6. These receptors usually contain an extracellular ligandbinding region containing three immunoglobulin-like domains, a transmembrane domain and a cytoplasmic tyrosine kinase domain. The gene encoding human Bek (also designated K-sam) maps to chromosome 10q26 and is alternatively spliced to produce several isoforms. Heterogeneous mutations in Bek are associated with a range of craniosynostosis syndromes including Pfeiffer syndrome, Crouzon syndrome, Jackson-Weiss syndrome and Apert syndrome.

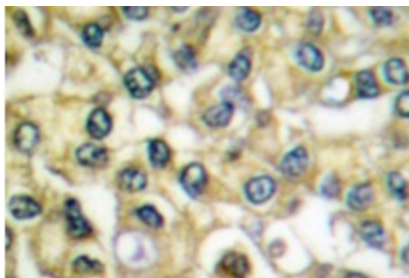
**Synonyms:**

FGFR-3, JTK4

**Product images:**


Lane1: HeLa whole cell lysate  
 Lane2: A549 whole cell lysate  
 Lane3: Mouse kidney tissue lysate  
 Lane4: Mouse heart tissue lysate  
 Lane5: Rat lung tissue lysate  
 FGFR3 (W153) pAb at 1:500 dilution

Western blot (WB) analysis of FGFR3 antibody at 1/500 dilution



Immunohistochemistry (IHC) analyzes of FGFR3 antibody in paraffin-embedded human breast carcinoma tissue.