

## Product datasheet for **AP06119PU-N**

### FGFR2 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
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 480-530 of Human FGFR2.
Specificity:	This antibody detects endogenous levels of FGFR2 protein. (region surrounding Val501)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE). Preservative: 15mM 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:	~ 92, 145 kDa
Gene Name:	fibroblast growth factor receptor 2
Database Link:	<a href="#">Entrez Gene 2263 Human P21802</a>



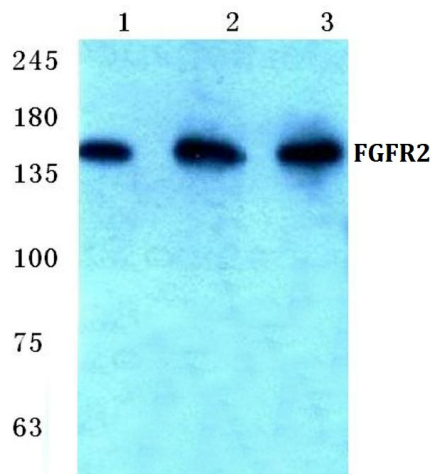
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**Background:**

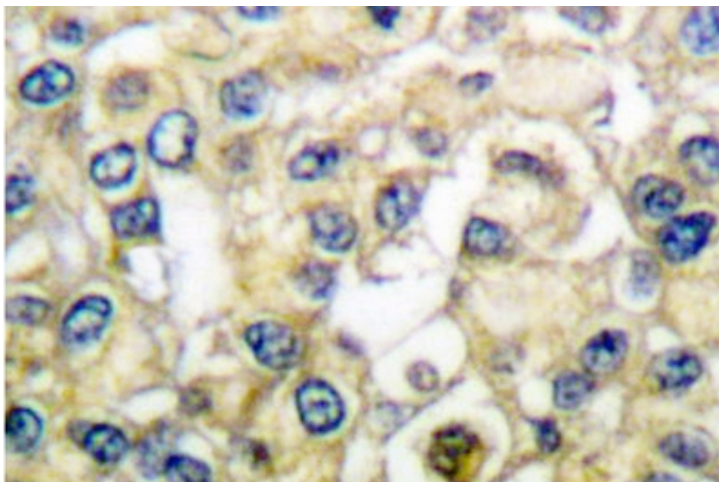
Acidic and basic fibroblast growth factors (FGFs) are members of a family of multifunctional polypeptide growth factors that stimulate proliferation of cells of mesenchymal, epithelial and neuroectodermal origin. Like other growth factors, FGFs act by binding and activating specific cell surface receptors. 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 esignated 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:**

FGFR2, BEK, KGFR, KSAM

**Product images:**

Western blot (WB) analysis of FGFR2 antibody at 1/500 dilution Lane 1:Hela whole cell lysate Lane 2:HEK293T whole cell lysate Lane 3:Mouse liver tissue lysate



Immunohistochemistry (IHC) analysis of FGFR2 antibody in paraffin-embedded human breast carcinoma tissue.