

AP06120PU-N**Polyclonal Antibody to CD333 / FGFR3 - Aff - Purified****Alternate names:**

FGFR-3, Fibroblast growth factor receptor 3, JTK4

Quantity:

0.1 mg

Concentration:

1.0 mg/ml

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.

Uniprot ID:[P22607](#)**NCBI:**[NP_000133.1](#)**GeneID:**[2261](#)**Host:**

Rabbit

Immunogen:

Synthetic peptide, corresponding to amino acids 120-167 of Human FGFR3.

Format:**State:** Liquid purified Ig fraction (> 95% pure by SDS-PAGE).**Purification:** Affinity Chromatography using epitope-specific immunogen.**Buffer System:** Phosphate buffered saline (PBS), pH~7.2**Preservatives:** 0.05% Sodium Azide**Applications:****Western blot:** 1/500-1/1000.**Immunohistochemistry on Paraffin Sections:** 1/50-1/200.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Molecular Weight:

~95 kDa

Specificity:This antibody detects endogenous levels of FGFR3 protein.
(region surrounding Trp153)**Species Reactivity:****Tested:** Human.**Expected from sequence similarity:** Mouse and Rat.**Storage:**

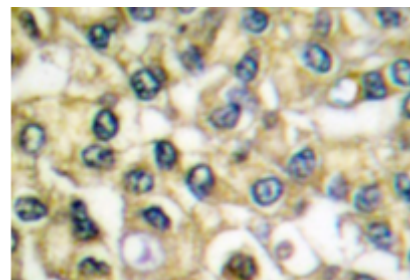
Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

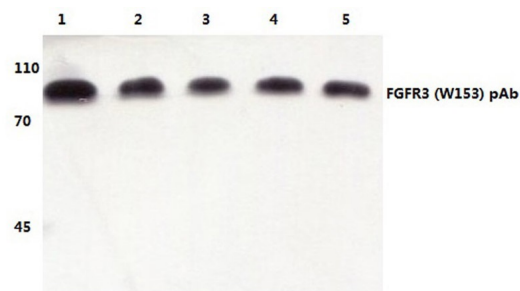
Shelf life: one year from despatch.

Pictures:

Immunohistochemistry (IHC) analyzes of FGFR3 antibody (Cat.-No.: AP06120PU-N) in paraffin-embedded human breast carcinoma tissue.



Western blot (WB) analysis of FGFR3 antibody (Cat.-No.: AP06120PU-N) at 1/500 dilution



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 (Cat.-No. AP06120PU-N) at 1/500 dilution. Lane 1: A549 whole cell lysate (40ug). Lane 2: HEK293T whole cell lysate (40ug).

