



## Fibroblast Growth Factor Receptor 3 (FGFR3)

### Catalog number

F4305-18D

### Supplier

United States Biological

Fibroblast growth factors (FGFs) are members of a large family of structurally related polypeptides (17-38kD) that are potent physiological regulators of growth and differentiation in a wide variety of cells of mesodermal, ectodermal and endodermal origin.

### Applications

Suitable for use in Western Blot and Immunohistochemistry. Other applications not tested.

### Recommended Dilution

Western Blot: 1:1000-1:2000; 293T cells were transfected with FGFR3 plasmide. NBT/BCIP was the substrate. Band at ~110-120kD.

Immunohistochemistry (Formalin-fixed paraffin): 1:250-1:500 using Tyrpsin-digested sections. Stains human placenta and umbilical cord. Staining is observed in amniotic epithelium, tubules and squamous epithelium.

Optimal dilutions to be determined by the researcher.

### Positive Control

Whole cell lysates of transfected 293T (embryonic kidney) cells expressing recombinant human FGFR3.

### Recommended Secondary Antibodies (WB, IP)

I1904-40B: IgG, H&L, X-Adsorbed (AP) Pab Gt x Rb

### Recommended Secondary Antibodies (IHC)

I1904-40N: IgG, Fc, X-Adsorbed (Biotin) Pab Gt x Rb

I1904-40B: IgG, H&L, X-Adsorbed (AP) Pab Gt x Rb

### Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

### Immunogen

Synthetic peptide corresponding to aa792-806 (K-DLLPPAPPSSGG- SRT) of the cytoplasmic region of human FGFR3 with N-terminal added lysine (KLH, glutaraldehyde). Cellular Localization: Plasma membrane; Single-pass type I membrane protein

### Formulation

Supplied as a liquid in PBS, pH 7.4, 1% BSA, 15mM sodium azide.

### Purity



Purified by immunoaffinity chromatography.

**Specificity**

Recognizes human Fibroblast Growth Factor Receptor 3 (FGFR3) at ~110kD (doublet). Does not react with human FGFR1 or FGFR2.

**Product Type**

Pab

**Source**

human

**Isotype**

IgG

**Grade**

Affinity Purified

**Applications**

IHC IP WB

**Crossreactivity**

Hu

**Storage**

-20°C

**Reference**

1. Baird, A., et al., Curr. Opin. Neurobiol. 4: 78-86 (1994). 2. Burgess, W.H. & Maciag, T., Annual Rev. Biochem. 58: 575 (1989). 3. Klagsburn, M., Prog. Growth Factor Res. 1: 207 (1989). 4. Givol, D. & Yayon, A., FASEB J. 6: 3362 (1992).