

# Phospho-FGFR3-Y724 Rabbit pAb

Catalog No.: AP1274 **2 Publications**

## Basic Information

**Observed MW**

125kDa

**Calculated MW**

88kDa

**Category**

Primary antibody

**Applications**

ELISA, WB

**Cross-Reactivity**

Human, Mouse

## Background

This gene encodes a member of the fibroblast growth factor receptor (FGFR) family, with its amino acid sequence being highly conserved between members and among divergent species. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member binds acidic and basic fibroblast growth hormone and plays a role in bone development and maintenance. Mutations in this gene lead to craniosynostosis and multiple types of skeletal dysplasia.

## Recommended Dilutions

WB 1:500 - 1:1000

## Immunogen Information

**Gene ID**

2261

**Swiss Prot**

P22607

**Immunogen**

A synthetic phosphorylated peptide around Y724 of human FGFR3 (NP\_000133.1).

**Synonyms**

ACH; CEK2; JTK4; CD333; HSFGR3EX; Phospho-FGFR3-Y724

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

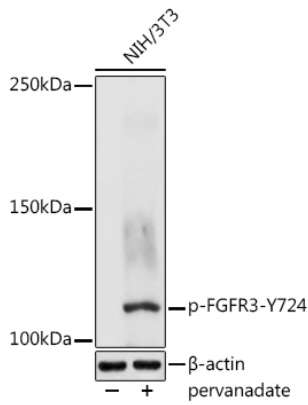
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of lysates from NIH/3T3 cells, using Phospho-FGFR3-Y724 Rabbit pAb (AP1274) at 1:1000 dilution. NIH/3T3 cells were treated by pervanadate (1 mM) at 37°C for 30 minutes after serum-starvation overnight.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1s.