

## Product datasheet for **TA376241**

### FGFR3 Rabbit Polyclonal Antibody

#### Product data:

|                         |                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:           | Primary Antibodies                                                                                                                                       |
| Applications:           | ELISA, WB                                                                                                                                                |
| Recommended Dilution:   | WB, 1:500 - 1:1000<br>ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |
| Reactivity:             | Human, Mouse                                                                                                                                             |
| Modifications:          | Phospho Y724                                                                                                                                             |
| Host:                   | Rabbit                                                                                                                                                   |
| Isotype:                | IgG                                                                                                                                                      |
| Clonality:              | Polyclonal                                                                                                                                               |
| Formulation:            | Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.                                                                                                 |
| Concentration:          | lot specific                                                                                                                                             |
| Purification:           | Affinity purification                                                                                                                                    |
| Conjugation:            | Unconjugated                                                                                                                                             |
| Storage:                | Store at -20°C. Avoid freeze / thaw cycles.                                                                                                              |
| Stability:              | Shelf life: one year from despatch.                                                                                                                      |
| Predicted Protein Size: | 88kDa                                                                                                                                                    |
| Gene Name:              | fibroblast growth factor receptor 3                                                                                                                      |
| Database Link:          | <a href="#">Entrez Gene 2261 Human P22607</a>                                                                                                            |



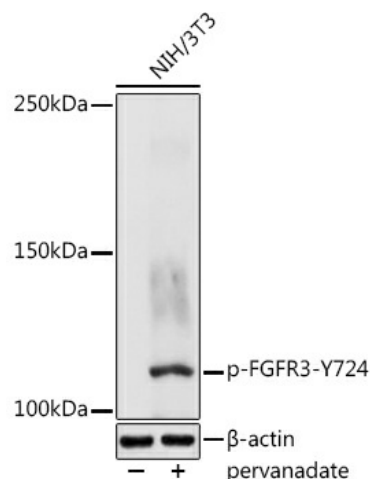
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**Background:**

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.

**Synonyms:**

ACH; CD333; CEK2; FGFR-3; HSFGR3EX; JTK4; OTTHUMP00000149958; OTTHUMP00000149959

**Product images:**


Western blot analysis of lysates from NIH/3T3 cells