

## Product datasheet for **TA302089**

### FGFR4 Mouse Monoclonal Antibody

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Applications:           | WB  |
| Recommended Dilution:   | WB: 1:2000  |
| Reactivity:             | Human   |
| Host:                   | Mouse   |
| Isotype:                | IgG1, kappa   |
| Clonality:              | Monoclonal  |
| Immunogen:              | Purified recombinant FGFR4 fusion protein was used to produced this monoclonal antibody.      |
| Formulation:            | Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.                   |
| Concentration:          | lot specific  |
| Purification:           | This antibody is purified through a protein G column, followed by dialysis against PBS.       |
| Conjugation:            | Unconjugated  |
| Storage:                | Store at -20°C as received.   |
| Stability:              | Stable for 12 months from date of receipt.  |
| Predicted Protein Size: | 87954 Da  |
| Gene Name:              | fibroblast growth factor receptor 4   |
| Database Link:          | <a href="#">NP_002002</a><br><a href="#">Entrez Gene 2264 Human</a><br><a href="#">P22455</a> |



[View online »](#)

**Background:**

FGFR4 is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. 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 preferentially binds acidic fibroblast growth factor and, although its specific function is unknown, it is overexpressed in gynecological tumor samples, suggesting a role in breast and ovarian tumorigenesis.

**Synonyms:**

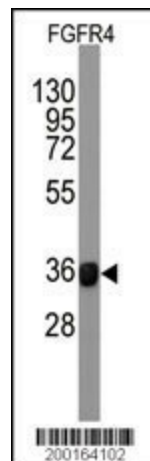
CD334; JTK2; TKF

**Protein Families:**

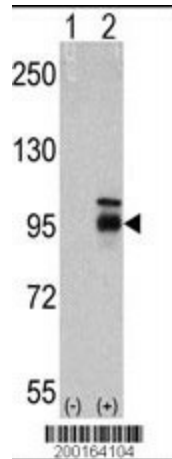
Druggable Genome, Protein Kinase

**Protein Pathways:**

Endocytosis, MAPK signaling pathway, Regulation of actin cytoskeleton

**Product images:**

Western blot analysis of anti-FGFR4 Monoclonal Antibody (Cat.TA302089) by FGFR4 recombinant protein (Fragment 42KD). FGFR4 protein (arrow) was detected using the purified Mab.



Western blot analysis of FGFR4 (arrow) using mouse monoclonal FGFR4 antibody. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the FGFR4 gene (Lane 2) (Origene Technologies)