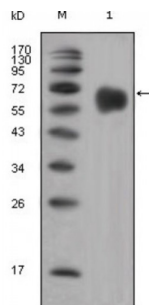


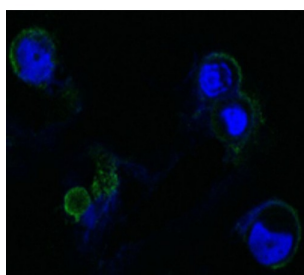
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## Fibroblast Growth Factor Receptor 4 (FGFR4) Antibody

Catalogue No.: abx015712



Western blot analysis using FGFR4 antibody against extracellular domain of human FGFR4 (aa22-369).



Confocal immunofluorescence analysis of methanol-fixed HEK293 cells transfected with FGFR4-hlgGf using FGFR4 antibody (green), showing membrane localization. Blue: DRAQ5 fluorescent DNA dye.

**FGFR4:** fibroblast growth factor receptor 4. Entrez Protein NP\_002002. It 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. The genomic organization of this gene, compared to members 1-3, encompasses 18 exons rather than 19 or 20. Although alternative splicing has been observed, there is no evidence that the C-terminal half of the IgIII domain of this protein varies between three alternate forms, as indicated for members 1-3. 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.

**Target:** FGFR4

**Reactivity:** Human

**Host:** Mouse

**Clonality:** Monoclonal

**Tested Applications:** ELISA, WB, IF/ICC

**Recommended dilutions:** ELISA: 1/10000, WB: 1/500 - 1/2000, IF/ICC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

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<b>Immunogen:</b>	Purified recombinant extracellular fragment of human FGFR4 fused with hlgGFc tag expressed in HEK293 cell line.
<b>Purification:</b>	Unpurified Ascites.
<b>Isotype:</b>	IgG <sub>1</sub>
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
<b>Molecular Weight:</b>	87.9 kDa
<b>Swiss Prot:</b>	<a href="#">P22455</a>
<b>GeneID:</b>	<a href="#">2264</a>
<b>Gene Symbol:</b>	FGFR4
<b>OMIM:</b>	<a href="#">134935</a>
<b>HGNC:</b>	3691
<b>Ensembl:</b>	ENSG00000160867
<b>Buffer:</b>	Ascitic fluid containing 0.03% sodium azide.
<b>Note:</b>	This product is for research use only.