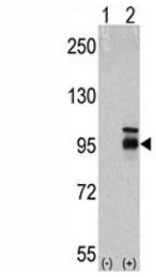
FGFR4 Antibody [clone 53CT32.19.3] (F40419)

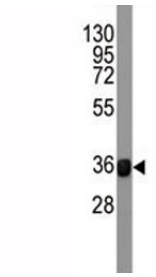
Catalog No.	Formulation	Size
F40419-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40419-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, k
Clone Name	53CT32.19.3
Purity	Purified
UniProt	P22455
Applications	Western blot: 1:2000
Limitations	This FGFR4 antibody is available for research use only.



Western blot analysis of FGFR4 antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected with the FGFR4 gene (2).



Western blot testing of FGFR4 antibody and human recombinant protein (42KD fragment).

Description

The protein encoded by this gene 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.

Application Notes

Titration of the FGFR4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Purified recombinant fusion protein was used to produced this monoclonal FGFR4 antibody.

Storage

Aliquot the FGFR4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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