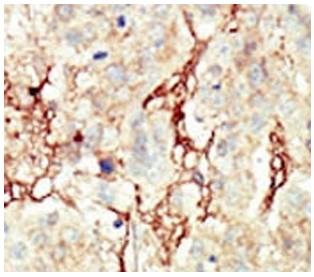
FGFR3 Antibody (F50621)

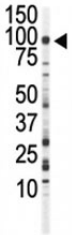
Catalog No.	Formulation	Size
F50621-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50621-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P22607
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100
Limitations	This FGFR3 antibody is available for research use only.



IHC analysis of FFPE human breast carcinoma tissue stained with the FGFR3 antibody



Western blot analysis of FGFR3 antibody and Jurkat cell lysate. Predicted molecular weight: 87-135 kDa depending on glycosylation level.

Description

FGFR3 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 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.

Application Notes

Titration of the FGFR3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 776-806 from the human protein was used as the immunogen for this FGFR3 antibody.

Storage

Aliquot the FGFR3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.