

FGFR3 Monoclonal Antibody (T.994.9)

Catalog NumberMA5-14843

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Monoclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:50
Type	Antibody	Immunoprecipitation (IP)	1:50
Clone	T.994.9	Western Blot (WB)	1:1,000
Immunogen	GST-FGFR-3 cytoplasmic domain fusion protein	Immunocytochemistry (ICC/IF)	1:200
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	27 µg/mL		
Purification	Affinity chromatography		
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol		
Contains	<0.02% sodium azide		
Storage Conditions	-20°C		

Product specific information

It is not recommended to aliquot this antibody. This antibody is not cross-reactive with other related family members.

Background/Target Information

FGFR3 is a member of the FGFR family of receptor tyrosine kinases. This family is known to regulate a host of cellular functions including angiogenesis, mitogenesis, osteogenesis, myogenesis, carcinogenesis, cellular differentiation, and tissue repair after injury. The FGFR family has also been implicated in a number of diseases including cancer, rheumatoid arthritis, and diabetic retinopathy. 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. Three alternatively spliced transcript variants that encode different protein isoforms have been described.

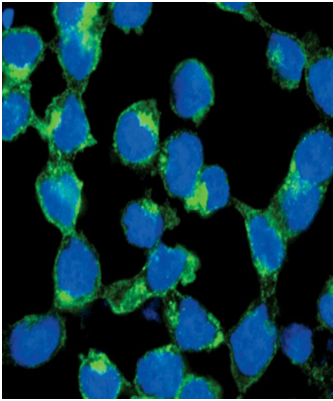
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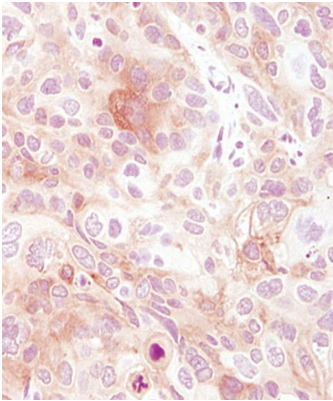
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Product Images For FGFR3 Monoclonal Antibody (T.994.9)



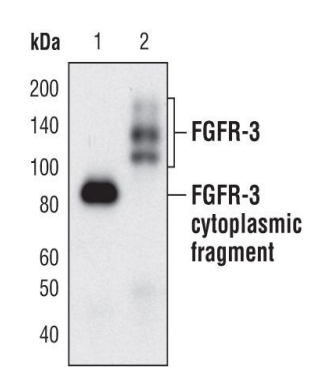
**FGFR3 Antibody (MA5-14843) in ICC/IF**

Immunofluorescent analysis of FGF Receptor 3 in KMS-11 using a FGF Receptor 3 monoclonal antibody (Product # MA5-14843) (green). DNA is labeled using a fluorescent blue dye.



**FGFR3 Antibody (MA5-14843) in IHC (P)**

Immunohistochemical analysis of FGF Receptor 3 in paraffin-embedded small cell lung carcinoma using a FGF Receptor 3 monoclonal antibody (Product # MA5-14843).



**FGFR3 Antibody (MA5-14843) in WB**

Western blot analysis of FGF Receptor 3 in recombinant human FGFR-3 cytoplasmic fragment proteins (lane 1) and extracts from KMS-11 cells (lane 2) using FGF Receptor 3 monoclonal antibody (Product # MA5-14843).

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