Datasheet for ABIN7267191

anti-FGFR3 antibody

2 Images

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Overview

Quantity:	100 µL
Target:	FGFR3
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This FGFR3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	FGFR3 Rabbit mAb
Immunogen:	A synthesized peptide derived from human FGFR3
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	FGFR3
Alternative Name:	FGFR3 (FGFR3 Products)
Background:	This gene encodes a member of the fibroblast growth factor receptor (FGFR) family, with its

Target Details

	amino acid sequence being highly conserved between members and among divergent species. 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. [provided by RefSeq, Jul 2009],ACH,CD333,CEK2,HSFGFR3EX,JTK4,FGFR3,Angiogenesis,Cancer,Cardiovascular,CDs,Cell Biology & Developmental Biology,ESC Pluripotency and Differentiation,Growth factors,Immunology & Inflammation,Kinase,Kinase_Tyrosine kinases,Neural Stem Cells,Signal Transduction,Stem Cells,FGFR3
Molecular Weight:	98kDa
Gene ID:	2261
UniProt:	P22607
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Stem Cell Maintenance, Growth Factor Binding

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

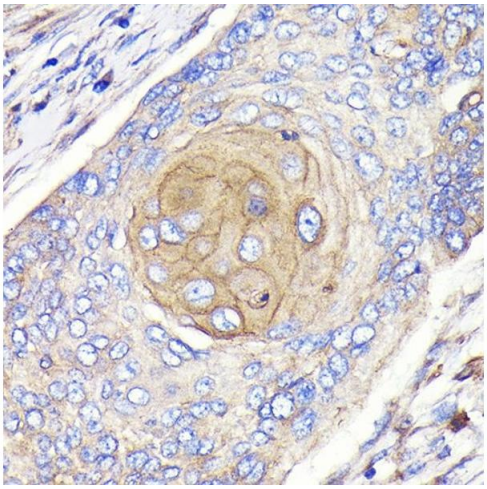
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

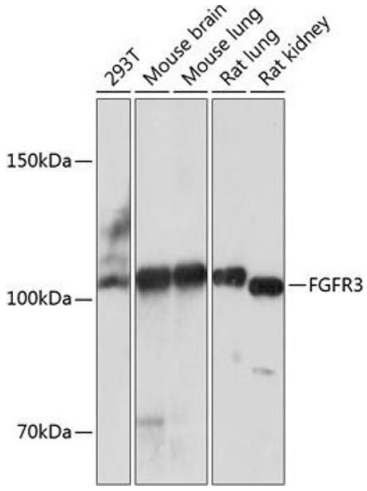
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human esophageal cancer using FGFR3 Rabbit mAb (ABIN7267191) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using FGFR3 antibody (ABIN7267191) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 3 min.