

Datasheet for ABIN390361
anti-FGF1 antibody (N-Term)



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3 Images

Overview

Quantity:	400 µL
Target:	FGF1
Binding Specificity:	AA 5-30, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGF1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This FGF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 5-30 amino acids from the N-terminal region of human FGF1.
Clone:	RB14519
Isotype:	Ig Fraction
Predicted Reactivity:	Pig
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	FGF1
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Target Details

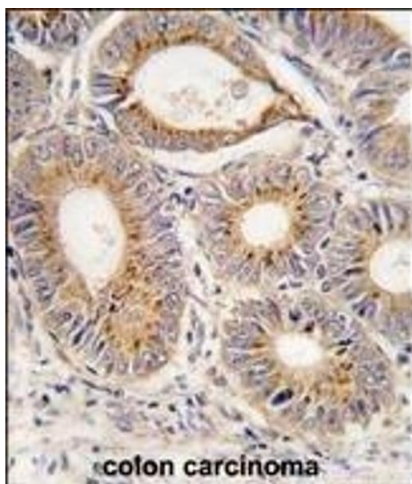
Alternative Name:	FGF1 (FGF1 Products)
Background:	FGF1 is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis.
Molecular Weight:	17460
Gene ID:	2246
NCBI Accession:	NP_000791 , NP_001138364 , NP_001138406 , NP_001138407 , NP_001244134 , NP_001244136 , NP_001244137 , NP_001244138 , NP_001244139 , NP_149127 , NP_149128
UniProt:	P05230
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

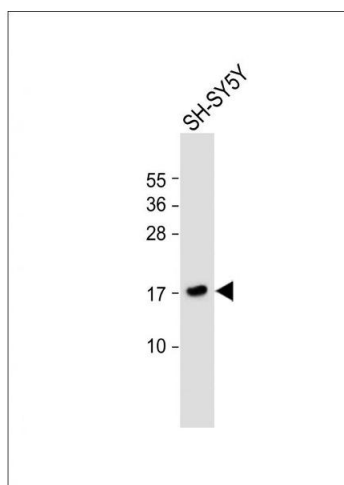
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



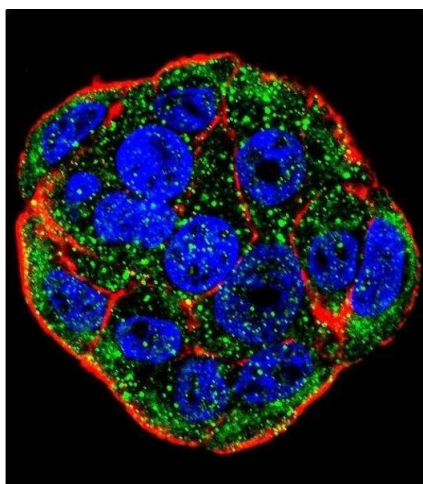
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted with FGF1 antibody (N-term) (ABIN390361 and ABIN2840769) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. Anti-FGF1 Antibody (N-term) at 1:1000 dilution + SH-SY5Y whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 17 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of FGF1 Antibody (N-term) (ABIN390361 and ABIN2840769) with WiDr cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).