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Datasheet for ABIN7152829
anti-FGFR1 antibody (AA 22-96)

2 Images

Overview

Quantity:	100 µg
Target:	FGFR1
Binding Specificity:	AA 22-96
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGFR1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Fibroblast growth factor receptor 1 protein (22-96AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	FGFR1
Alternative Name:	FGFR1 (FGFR1 Products)
Background:	Background: Tyrosine-protein kinase that acts as cell-surface receptor for fibroblast growth factors and plays an essential role in the regulation of embryonic development, cell

Target Details

proliferation, differentiation and migration. Required for normal mesoderm patterning and correct axial organization during embryonic development, normal skeletogenesis and normal development of the gonadotropin-releasing hormone (GnRH) neuronal system. Phosphorylates PLCG1, FRS2, GAB1 and SHB. Ligand binding leads to the activation of several signaling cascades. Activation of PLCG1 leads to the production of the cellular signaling molecules diacylglycerol and inositol 1,4,5-trisphosphate. Phosphorylation of FRS2 triggers recruitment of GRB2, GAB1, PIK3R1 and SOS1, and mediates activation of RAS, MAPK1/ERK2, MAPK3/ERK1 and the MAP kinase signaling pathway, as well as of the AKT1 signaling pathway. Promotes phosphorylation of SHC1, STAT1 and PTPN11/SHP2. In the nucleus, enhances RPS6KA1 and CREB1 activity and contributes to the regulation of transcription. FGFR1 signaling is down-regulated by IL17RD/SEF, and by FGFR1 ubiquitination, internalization and degradation.

Aliases: Basic fibroblast growth factor receptor 1 antibody, bFGF-R-1 antibody, BFGFR antibody, CD331 antibody, CEK antibody, FGFBR antibody, FGFR 1 antibody, FGFR-1 antibody, FGFR1 antibody, FGFR1/PLAG1 fusion antibody, FGFR1_HUMAN antibody, fibroblast growth factor receptor 1 antibody, FLG antibody, FLT-2 antibody, FLT2 antibody, Fms-like gene antibody, Fms-like tyrosine kinase 2 antibody, fms-related tyrosine kinase 2 antibody, HBGFR antibody, heparin-binding growth factor receptor antibody, HH2 antibody, HRTFDS antibody, hydroxyaryl-protein kinase antibody, KAL2 antibody, N-SAM antibody, OGD antibody, Proto-oncogene c-Fgr antibody

UniProt: [P11362](#)

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Sensory Perception of Sound](#), [Stem Cell Maintenance](#), [S100 Proteins](#)

Application Details

Application Notes: Recommended dilution: WB:1:2000-1:10000, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be

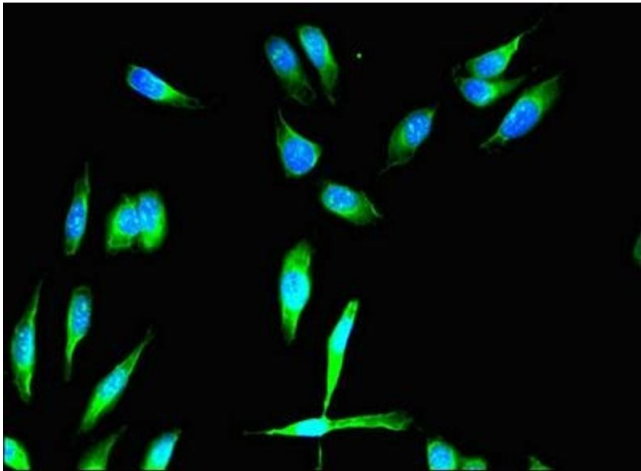
Handling

handled by trained staff only.

Storage: -20 °C,-80 °C

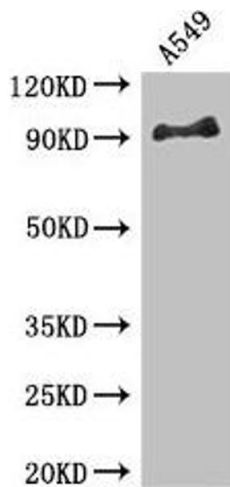
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunofluorescence

Image 1. Immunofluorescent analysis of HeLa cells using ABIN7152829 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Western Blotting

Image 2. Western Blot Positive WB detected in: A549 whole cell lysate All lanes: FGFR1 antibody at 3.4 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 92, 74, 7, 83, 64, 82, 75, 56, 17, 34, 91, 96 kDa Observed band size: 92 kDa