



[Go to Product page](#)

Datasheet for ABIN4909556

## anti-FGFR1 antibody

### 2 Images

#### Overview

Quantity:	100 µL
Target:	FGFR1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FGFR1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

#### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human FGFR1
Clone:	4C3
Isotype:	IgG1
Cross-Reactivity:	Human
Purification:	Purified by Protein G.

#### Target Details

Target:	FGFR1
Alternative Name:	FGFR1 ( <a href="#">FGFR1 Products</a> )
Background:	Synonyms: CEK, FLG, HH2, OGD, ECCL, FLT2, KAL2, BFGFR, CD331, FGFBR, FLT-2, HBGFR, N-

## Target Details

---

SAM, FGFR-1, HRTFDS, bFGF-R-1, Fibroblast growth factor receptor 1, Basic fibroblast growth factor receptor 1, Fms-like tyrosine kinase 2, Proto-oncogene c-Fgr, FGFR1

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 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.

---

Gene ID: 2260

---

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: WB 1:300-5000  
IHC-P 1:200-400  
IF()

---

Restrictions: For Research Use only

## Handling

---

Format: Liquid

---

Concentration: 0.5 µg/µL

---

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

---

Preservative: ProClin

---

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

---

## Handling

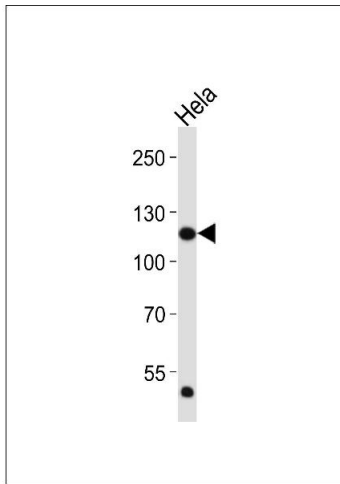
handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

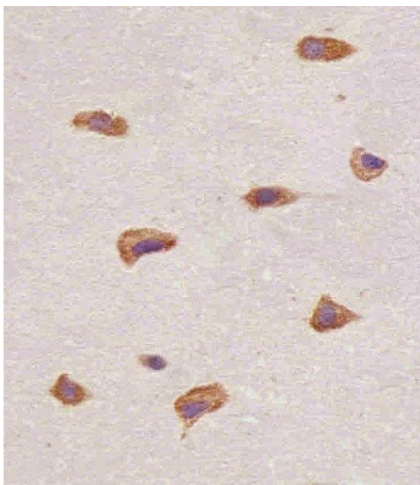
Expiry Date: 12 months

## Images



### Western Blotting

**Image 1.** Lane 1: HeLa Cell lysates, probed with FGFR1 (1440CT772.50.23) Monoclonal Antibody, unconjugated (bsm-51288M) at 1:2000 overnight at 4°C followed by a conjugated secondary antibody for 60 minutes at 37°C.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Paraformaldehyde-fixed, paraffin embedded human brain tissue, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 15 minutes, Blocking buffer (3% BSA) at room temperature for 30min, Antibody incubation with FGFR1 (1440CT772.50.23) Monoclonal Antibody (bsm-51288M) at 1:25 for 1 hour at 37°C, followed by a conjugated secondary antibody for 20 minutes and DAB staining.