

Datasheet for ABIN2789361
anti-FGFR1 antibody (N-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	FGFR1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Rabbit, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGFR1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Mouse Fgfr1
Sequence:	TYFSVNVSDA LPSSDDDDDD DDSSEEKET DNTKPNRRPV APYWTSPEKM
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against Fgfr1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	FGFR1
Alternative Name:	Fgfr1 (FGFR1 Products)

Target Details

Background:	Fgfr1 is a 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. It is 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. Fgfr1 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. It promotes phosphorylation of SHC1, STAT1 and PTPN11/SHP2. In the nucleus, Fgfr1 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 Alias Symbols: AW208770, Eask, FLG, Fgfr-1, Flt-2, Hspy Protein Interaction Partner: GZMB, Fgf23, KI, Frs2, Protein Size: 822
-------------	---

Molecular Weight:	92 kDa
Gene ID:	14182
NCBI Accession:	NM_010206 , NP_034336
UniProt:	P16092
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

Restrictions:	For Research Use only
---------------	-----------------------

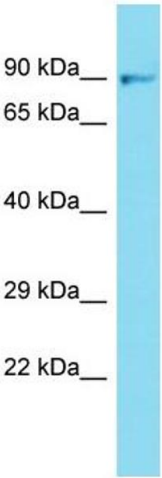
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1.