

Datasheet for ABIN6140610
anti-FGFR1 antibody (AA 300-400)



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1 Image

Overview

Quantity:	100 µL
Target:	FGFR1
Binding Specificity:	AA 300-400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGFR1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 300-400 of human FGFR1 (NP_075598.2).
Sequence:	IGPDNLPPYVQ ILKTAGVNTT DKEMEVHLHR NVSFEDAGEY TCLAGNSIGL SHHSAWLTVL EALERPAVM TSPLYLEIII YCTGAFLISC MVGSVIVYKM K
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	FGFR1
Alternative Name:	FGFR1 (FGFR1 Products)
Background:	The protein encoded by this gene is a member of the fibroblast growth factor receptor (FGFR) family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein consists 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 both acidic and basic fibroblast growth factors and is involved in limb induction. Mutations in this gene have been associated with Pfeiffer syndrome, Jackson-Weiss syndrome, Antley-Bixler syndrome, osteoglophonic dysplasia, and autosomal dominant Kallmann syndrome 2. Chromosomal aberrations involving this gene are associated with stem cell myeloproliferative disorder and stem cell leukemia lymphoma syndrome. Alternatively spliced variants which encode different protein isoforms have been described, however, not all variants have been fully characterized.,FGFR1,BFGFR,CD331,CEK,ECCL,FGFBR,FGFR-1,FLG,FLT-2,FLT2,HBGFR,HH2,HRTFDS,KAL2,N-SAM,OGD,bFGF-R-1,Epigenetics & Nuclear Signaling,Cancer,Signal Transduction,Kinase,Tyrosine kinases,Cell Biology & Developmental Biology,Growth factor,ESC Pluripotency and Differentiation,Immunology & Inflammation,CD markers,Neuroscience,Cardiovascular,Angiogenesis,FGFR1
Molecular Weight:	6 kDa/16 kDa/33 kDa/55-95 kDa
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

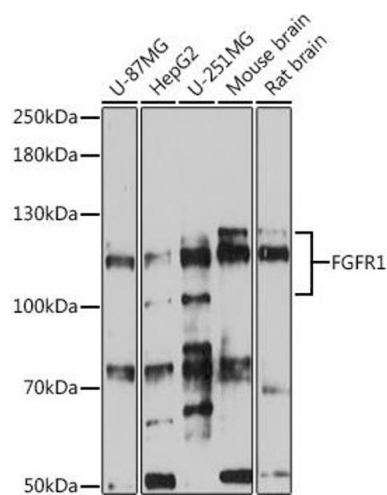
Application Details

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

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,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
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using FGFR1 antibody (ABIN6134360, ABIN6140610, ABIN6140612 and ABIN6213611) at 1:500 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: 180s.