Datasheet for ABIN6140618

anti-FGFR4 antibody (AA 22-150)

1 Image

Go to Product page

Overview

Quantity:	100 µL
Target:	FGFR4
Binding Specificity:	AA 22-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGFR4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 22-150 of human FGFR4 (NP_998812.1).
Sequence:	LEASEEVELE PCLAPSLEQQ EQELTVALGQ PVRLCCGRAE RGGHWYKEGS RLAPAGRVRG WRGRLEIASF LPEDAGRYLC LARGSMIVLQ NLTLITGDSL TSSNDDEDPK SHRDPSNRHS YPQQAPYWT
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	FGFR4
Alternative Name:	FGFR4 (FGFR4 Products)
Background:	The protein encoded by this gene is a member of the fibroblast growth factor receptor 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 would consist 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. The genomic organization of this gene, compared to members 1-3, encompasses 18 exons rather than 19 or 20. Although alternative splicing has been observed, there is no evidence that the C-terminal half of the IgIII domain of this protein varies between three alternate forms, as indicated for members 1-3. This particular family member preferentially binds acidic fibroblast growth factor and, although its specific function is unknown, it is overexpressed in gynecological tumor samples, suggesting a role in breast and ovarian tumorigenesis.,FGFR4,CD334,JTK2,TKF,Cancer,Signal Transduction,Kinase,Tyrosine kinases,Cell Biology & Developmental Biology,Growth factor,ESC Pluripotency and Differentiation,Immunology & Inflammation,CD markers,Neuroscience,Cell Type Marker,Stem Cells,Neural Stem Cells,Cardiovascular,Angiogenesis,Neural Stem Cell marker,FGFR4
Molecular Weight:	64 kDa/83 kDa/87 kDa
Gene ID:	2264
UniProt:	P22455
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Carbohydrate Homeostasis, Growth Factor Binding

Application Details

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

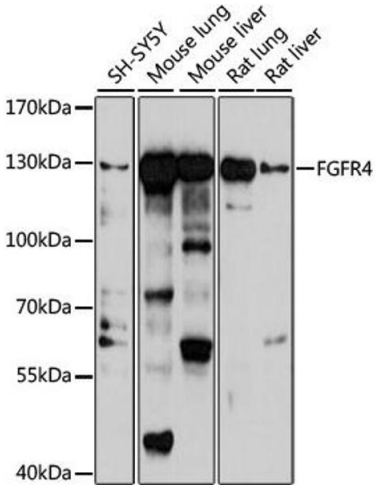
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Handling

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 FGFR4 antibody (ABIN6127895, ABIN6140618, ABIN6140619 and ABIN6223460) at 1:1000 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: 60s.