

Datasheet for ABIN3030958
anti-FGFR4 antibody (AA 24-55)



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5 Images

Overview

Quantity:	0.4 mL
Target:	FGFR4
Binding Specificity:	AA 24-55
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGFR4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	A portion of amino acids 24-55 from the human protein was used as the immunogen for this FGFR4 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	FGFR4
Alternative Name:	FGFR4 (FGFR4 Products)
Background:	FGFR4 is a tyrosine-protein kinase that acts as cell-surface receptor for fibroblast growth factors and plays a role in the regulation of cell proliferation, differentiation and migration, and

Target Details

in regulation of lipid metabolism, bile acid biosynthesis, glucose uptake, vitamin D metabolism and phosphate homeostasis. Required for normal down-regulation of the expression of CYP7A1, the rate-limiting enzyme in bile acid synthesis, in response to FGF19. Phosphorylates PLCG1 and FRS2. 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 SRC-dependent phosphorylation of the matrix protease MMP14 and its lysosomal degradation. FGFR-4 signaling is down-regulated by receptor internalization and degradation, MMP14 promotes internalization and degradation of FGFR-4. Mutations that lead to constitutive kinase activation or impair normal FGFR-4 inactivation lead to aberrant signaling. [UniProt]

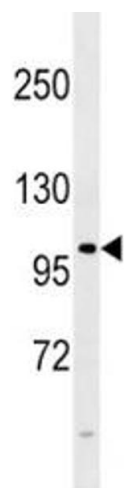
UniProt:	P22455
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Carbohydrate Homeostasis , Growth Factor Binding

Application Details

Application Notes:	Titration of the FGFR4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Immunofluorescence: 1:200,Flow Cytometry: 1:10-1:50,IHC (Paraffin): 1:50-1:100
Restrictions:	For Research Use only

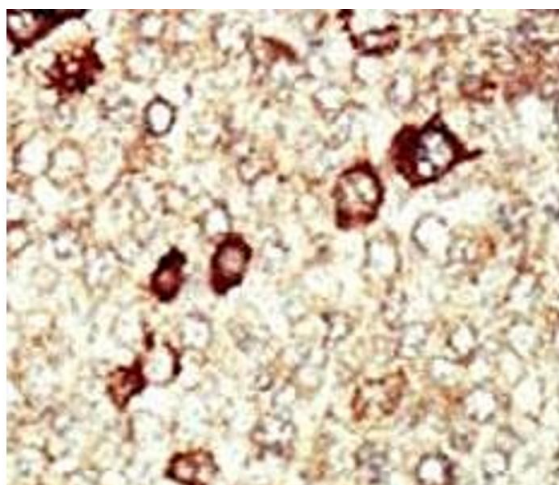
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
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:	Aliquot the FGFR4 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



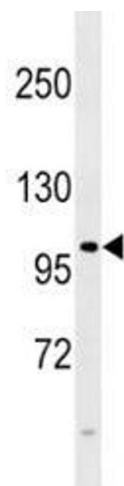
Western Blotting

Image 1. FGFR4 antibody western blot analysis in 293 lysate. Observed molecular weight: 88~125 kDa depending on phosphorylation and glycosylation level.



Immunohistochemistry

Image 2. IHC analysis of FFPE human hepatocarcinoma tissue stained with the FGFR4 antibody



Western Blotting

Image 3. FGFR4 antibody western blot analysis in 293 lysate. Observed molecular weight: 88~125 kDa depending on phosphorylation and glycosylation level.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3030958.