Datasheet for ABIN758197

anti-FGFR1/FGFR2 antibody (pTyr463, pTyr466)

2 Images

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Overview

Quantity:	100 µL
Target:	FGFR1/FGFR2
Binding Specificity:	pTyr463, pTyr466
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGFR1/FGFR2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human FGFR1 around the phosphorylation site of Tyr463
Isotype:	IgG
Specificity:	This phosphorylation site is found at Tyr463 in Human and Mouse FGFR1, and Tyr486 in Rat. It is highly conserved and is homologous to the Tyr466 phosphorylation site in Human and Mouse FGFR2, and the Tyr370 site in Rat FGFR2.
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Cow,Pig,Horse,Chicken,Rabbit

Product Details

Purification:	Purified by Protein A.

Target Details

Target:	FGFR1/FGFR2
Abstract:	FGFR1/FGFR2 Products
Background:	Synonyms: bFGF R, BFGFR, C FGR, CD 331, CD331, CD331 antigen, CEK, FGFBR, FGFR 1, Fibroblast growth factor receptor 1, FLG, FLG protein, FLJ14326, FLT 2, FLT2, Fms like tyrosine kinase 2, Fms related tyrosine kinase 2, Fms related tyrosine kinase 2 Pfefer syndrome, H2, H3, H4, H5, HBGFR, Heparin binding growth factor receptor, Hydroxyaryl protein kinase, KAL 2, KAL2, MFR, N SAM, N sam tyrosine kinase, Protein tyrosine kinase, Tyrosylprotein kinase, Basic fibroblast growth factor receptor 1. Background: Fibroblast growth factors (FGFs) produce mitogenic and angiogenic effects in target cells by signaling through the cellular surface tyrosine kinase receptors. There are four members of the FGF receptor family: FGFR-1 (flg), FGFR-2 (bek, KGFR), FGFR-3 and FGFR-4. Each receptor contains an extracellular ligand binding domain, a transmembrane region and a cytoplasmic kinase domain (1). Following ligand binding and dimerization, the receptors are phosphorylated at specific tyrosine residues (2). Seven tyrosine residues in the cytoplasmic tail of FGFR-1 can be phosphorylated: Tyr463, Tyr583, Tyr585, Tyr653, Tyr654, Tyr730 and Tyr766. Tyrosine 653 and 654 are important for catalytic activity of the activated FGFR and are essential for signaling (3). The other phosphorylated tyrosine residues may provide docking sites for downstream signaling components such as Crk and PLCgamma.
Gene ID:	2260, 2263

Application Details

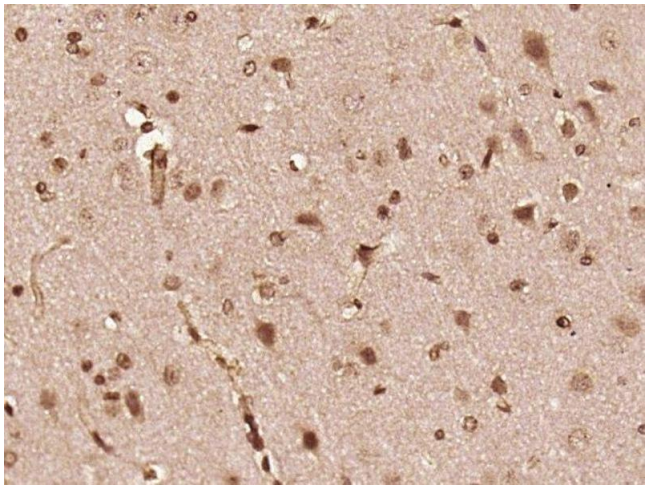
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500

Restrictions:	For Research Use only

Handling

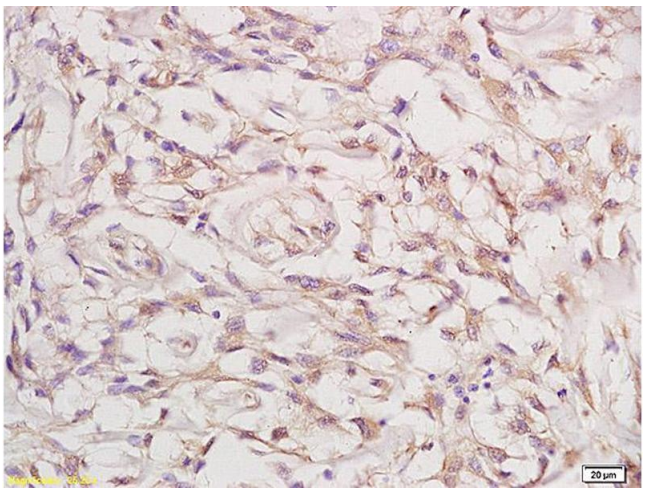
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded rat brain, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with FGFR1/FGFR2 (Tyr463/Tyr466) Antibody (bs-5326R) at 1:400 overnight at 4°C, followed by a conjugated secondary and DAB staining.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human cervical carcinoma labeled with Anti-Phospho-FGFR1+FGFR2 (Tyr463) Polyclonal Antibody, Unconjugated (ABIN758197) at 1:200 followed by conjugation to the secondary antibody and DAB staining