Datasheet for ABIN726614

anti-FGFR1 antibody (HRP)

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Overview

Quantity:	100 µL
Target:	FGFR1
Reactivity:	Human, Mouse, Rat, Cow, Chicken, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FGFR1 antibody is conjugated to HRP
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human BFGFR
Isotype:	IgG
Cross-Reactivity:	Chicken, Cow, Dog, Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	FGFR1
Alternative Name:	FGFR1 (FGFR1 Products)
Background:	Synonyms: bFGF R, BFGFR, C FGR, CD 331, CD331, CD331 antigen, CEK, FGFBR, FGFR 1, FGF Receptor 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

Target Details

	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.
Molecular Weight:	90kDa
Gene ID:	2260
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(1:100-500) Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	Gentamicin sulfate
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months