

## FGFR1 Antibody

Catalog No: #32585

Package Size: #32585-1 50ul #32585-2 100ul

Orders: order@signalwayantibody.com

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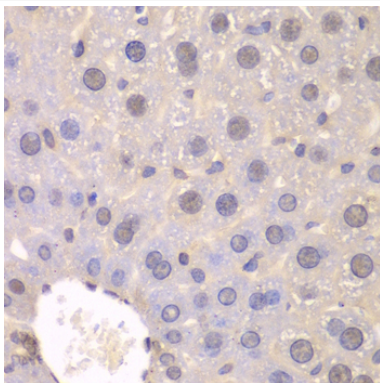
## Description

Product Name	FGFR1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	IHC
Species Reactivity	Mouse
Specificity	The antibody detects endogenous level of total FGFR1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human FGFR1.
Target Name	FGFR1
Other Names	BFGFR; CD331; CEK; FGFR; FLG
Accession No.	Swiss-Prot:P11362NCBI Gene ID:2260
Uniprot	P11362
GeneID	2260;
SDS-PAGE MW	91KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

IHC □ 1:50 - 1:200

## Images



Immunohistochemistry of paraffin-embedded mouse liver using FGFR1 at dilution of 1:100 (40x lens).

## Background

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Fibroblast growth factors (FGFs) produce mitogenic and angiogenic effects in target cells by signaling through cell surface receptor tyrosine kinases. There are four members of the FGF receptor family: FGFR1 (flg), FGFR2 (bek, KGFR), FGFR3, and FGFR4. Each receptor contains an extracellular ligand binding domain, a transmembrane domain, 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 FGFR1 can be phosphorylated: Tyr463, 583, 585, 653, 654, 730, and 766. Tyr653 and Tyr654 are important for catalytic activity of 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 PLC $\gamma$  (4,5).

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Note: This product is for in vitro research use only