Datasheet for ABIN969138

anti-FGFR1 antibody (AA 22-376)

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Overview

Quantity:	100 µL
Target:	FGFR1
Binding Specificity:	AA 22-376
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FGFR1 antibody is un-conjugated
Application:	ELISA

Product Details

Purpose:	FGFR1 Antibody
Immunogen:	Purified recombinant extracellular fragment of human FGFR1 (aa22-376) fused with hIgGFc tag expressed in HEK293 cells.
Clone:	3D4F7
Isotype:	IgG2b
Purification:	Ascitic fluid

Target Details

Target:	FGFR1
Alternative Name:	FGFR1 (FGFR1 Products)

Target Details

Background:	Description: Fibroblast growth factor receptor 1 (FGFR1), also known as basic fibroblast growth factor receptor 1, fms-related tyrosine kinase-2 / Pfeiffer syndrome, and CD331, is a receptor tyrosine kinase whose ligands are specific members of the fibroblast growth factor family. FGFR1 has been shown to be associated with Pfeiffer syndrome. It is a member of the fibroblast growth factor receptor (FGFR) 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 consists 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. This particular family member binds both acidic and basic fibroblast growth factors and is involved in limb induction. Aliases: CEK, FLG, OGD, FLT2, KAL2, BFGFR, CD331, FGFBR, HBGFR
Molecular Weight:	92kDa
Gene ID:	2260
HGNC:	2260
UniProt:	P11362
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:	ELISA: 1/10000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % 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.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Publications

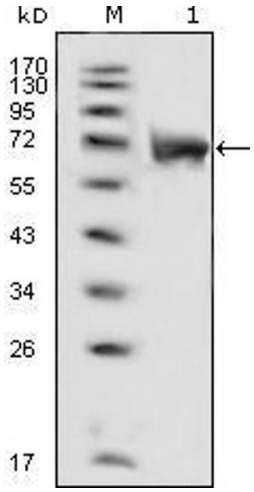
Product cited in:

Elbauomy Elsheikh, Green, Lambros, Turner, Grainge, Powe, Ellis, Reis-Filho: "FGFR1 amplification in breast carcinomas: a chromogenic in situ hybridisation analysis." in: **Breast cancer research : BCR**, Vol. 9, Issue 2, pp. R23, (2007) (PubMed).

Magnusson, Ronca, DellEra, Carlstedt, Jakobsson, Partanen, Dimberg, Claesson-Welsh: " Fibroblast growth factor receptor-1 expression is required for hematopoietic but not endothelial cell development." in: **Arteriosclerosis, thrombosis, and vascular biology**, Vol. 25, Issue 5, pp. 944-9, (2005) (PubMed).

Hu, Fang, Dunham, Prada, Stachowiak, Stachowiak: "90-kDa ribosomal S6 kinase is a direct target for the nuclear fibroblast growth factor receptor 1 (FGFR1): role in FGFR1 signaling." in: **The Journal of biological chemistry**, Vol. 279, Issue 28, pp. 29325-35, (2004) (PubMed).

Images



Western Blotting

Image 1. Western blot analysis using FGFR1 mouse mAb against extracellular domain of human FGFR1 (aa22-376).