
Product Name: KD-Validated Fibroblast Growth Factor Receptor 1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01427**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 91.9kDa

Antigen Information

Gene Name	FGFR1
Alternative Names	FGFR1; Fibroblast Growth Factor Receptor 1; BFGFR; CEK; FLG; N-SAM; CD331; FLT2; Basic Fibroblast Growth Factor Receptor 1; Fms-Related Tyrosine Kinase 2; Proto-Oncogene C-Fgr; EC 2.7.10.1; BFGF-R-1; FGFR-1; FGFBR; FLT-2; HBGFR; KAL2; H2; H3; H4; H5; Heparin-Binding Growth Factor Receptor; FMS-Like Tyrosine Kinase 2; Hydroxyaryl-Protein Kinase; Fms-Like Tyrosine Kinase 2; FGFR1/PLAG1 Fusion; Pfeiffer Syndrome; CD331 Antigen; EC 2.7.10; HRTFDS; N-Sam; ECCL; HH2; OGD
Gene ID	2260.0
SwissProt ID	P11362
Immunogen	A synthesized peptide derived from human FGFR1

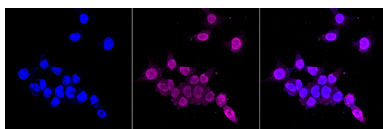
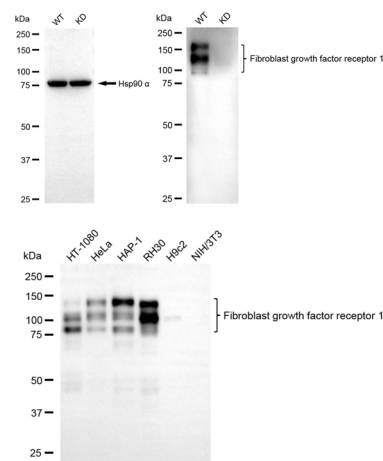
Background

The protein encoded by this gene 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. Mutations in this gene have been associated with Pfeiffer syndrome, Jackson-Weiss syndrome, Antley-Bixler syndrome, osteoglophonic dysplasia, and autosomal dominant Kallmann syndrome 2. Chromosomal aberrations involving this gene are associated with stem cell myeloproliferative disorder and stem cell leukemia lymphoma syndrome. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq, Jul 2008]

Research Area

Cardiovascular,Signal Transduction,Neuroscience,Microbiology,Cancer

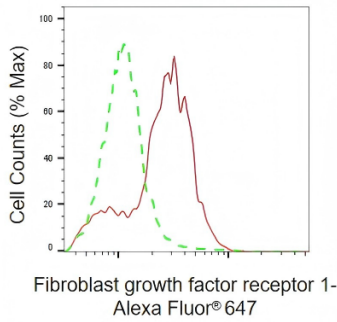
Image Data



Western blotting analysis using fibroblast growth factor receptor 1 antibody (KVA01427). Fibroblast growth factor receptor 1 expression in wild type (WT) and fibroblast growth factor receptor 1 (FGFR1) knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with fibroblast growth factor receptor 1 antibody (KVA01427, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.

Western blotting analysis using fibroblast growth factor receptor 1 antibody (KVA01427). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with fibroblast growth factor receptor 1 antibody (KVA01427, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.

Immunocytochemical staining of HAP-1 cells with Fibroblast growth factor receptor 1 antibody (KVA01427, 1:1,000). Nuclei were stained blue with DAPI; Fibroblast growth factor receptor 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of Fibroblast growth factor receptor 1 expression in HAP-1 cells using Fibroblast growth factor receptor 1 antibody (KVA01427, 1:2,000). Green, isotype control; red, Fibroblast growth factor receptor 1.