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FGFR1 Antibody (Y154)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7636h

Product Information

Application	WB, E
Primary Accession	P11362
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB12705
Antigen Region	132-161

Additional Information

Other Names	Fibroblast growth factor receptor 1, FGFR-1, Basic fibroblast growth factor receptor 1, BFGFR, bFGF-R-1, Fms-like tyrosine kinase 2, FLT-2, N-sam, Proto-oncogene c-Fgr, CD331, FGFR1, BFGFR, CEK, FGFBR, FLG, FLT2, HBGFR
Target/Specificity	This FGFR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 132-161 amino acids from human FGFR1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	FGFR1 Antibody (Y154) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

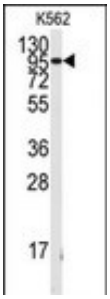
FGFR1 is a member of the fibroblast growth factor receptor family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein consists of an 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 can lead to Pfeiffer syndrome and Jackson-Weiss syndrome.

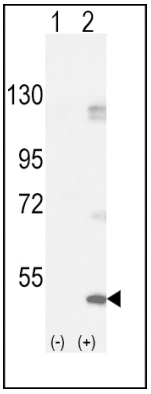
References

Jiao, J., et al., Arch. Biochem. Biophys. 410(2):187-200 (2003).
Fu, L., et al., J. Comp. Neurol. 462(2):265-273 (2003).
Lundin, L., et al., Exp. Cell Res. 287(1):190-198 (2003).
Kiselyov, V.V., et al., Structure (Camb.) 11(6):691-701 (2003).
Baumann, H., et al., J. Biol. Chem. 278(18):16198-16208 (2003).

Images



Western blot analysis of anti-FGFR1 Antibody (Y154) (Cat.#AP7636h) in K562 cell line lysates (35ug/lane).FGFR1 (arrow) was detected using the purified Pab.



Western blot analysis of FGFR1 (arrow) using rabbit polyclonal FGFR1-pY154 (Cat.#AP7636h). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the FGFR1 gene (Lane 2).