

For Research Use Only

FGFR1 Monoclonal antibody

Catalog Number: 60325-1-Ig **37 Publications**



Basic Information

Catalog Number: 60325-1-Ig	GenBank Accession Number: BC018128	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 2260	CloneNo.: 10F12E7
Source: Mouse	UNIPROT ID: P11362	Recommended Dilutions: WB 1:1000-1:3000 IHC 1:50-1:500 IF/ICC 1:500-1:2000
Isotype: IgG2c	Full Name: fibroblast growth factor receptor 1	
Immunogen Catalog Number: AG3646	Calculated MW: 820 aa, 91 kDa	
	Observed MW: 91 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls: WB : MCF-7 cells, HT-1080 cells, HUVEC cells, U2OS cells, Y79 cells, K-562 cells IHC : human breast cancer tissue, IF/ICC : ACHN cells,
Cited Applications: WB, IHC, IF	
Species Specificity: human	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Fibroblast growth factor receptor 1 (FGFR1) is a tyrosine-protein kinase that acts as a cell-surface receptor for fibroblast growth factors. FGFR1 has been implicated in diverse biological processes including embryonic development, cell proliferation, differentiation, migration, and tumorigenesis. Mutations in the FGFR1 gene have been associated with Pfeiffer syndrome, Jackson-Weiss syndrome, Antley-Bixler syndrome, osteoglophonic dysplasia, squamous cell lung cancer, and autosomal dominant Kallmann syndrome. Alternatively spliced variants that encode different protein isoforms have been described.

Notable Publications

Author	Pubmed ID	Journal	Application
Lili Yang	28928430	Sci Rep	WB,IHC
Libo Hou	28889064	Mol Immunol	WB
T Wang	26535691	Genet Mol Res	WB

Storage

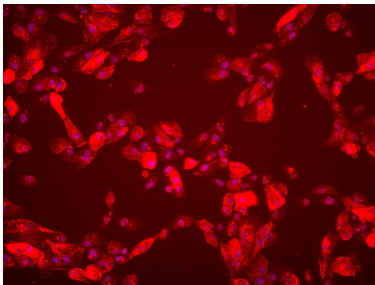
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

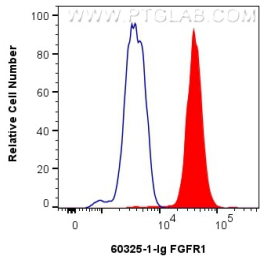
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

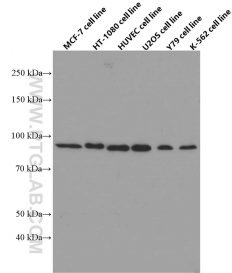
Selected Validation Data



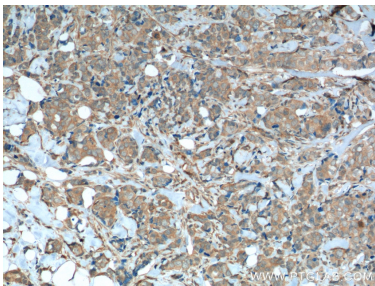
Immunofluorescent analysis of (4% PFA) fixed ACHN cells using FGFR1 antibody (60325-1-Ig, Clone: 10F12E7) at dilution of 1:1000 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004).



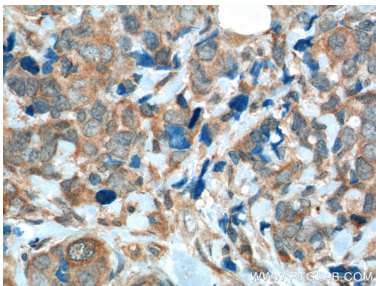
1x10⁶ K-562 cells were intracellularly stained with 0.2 ug FGFR1 Monoclonal antibody (60325-1-Ig, Clone:10F12E7) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.2 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



MCF-7, HT-1080, HUVEC, U2OS, Y79, and K-562 cells were subjected to SDS PAGE followed by western blot with 60325-1-Ig (FGFR1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 60325-1-Ig (FGFR1 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 60325-1-Ig (FGFR1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).