FGFR1
Monoclonal ANTIBODY
Catalog Number: 60325-1-Ig

Basic Information
Catalog Number: 60325-1-Ig
Size: 168 μg/150 μl
Source: Mouse
Isotype: IgG2c
Purification Method: Protein A purification
Immunogen Catalog Number: AG3646

GenBank Accession Number: BC018128
Full Name: Fibroblast growth factor receptor 1
Recommended Dilutions:
WB: 1:1000-1:3000
IHC: 1:50-1:500

Recommended Dilutions:
WB: MCF-7 cells; HT-1080 cells, HUVEC cells, U2OS cells, Y79 cells, K-562 cells, 3T3-L1 cells
IHC: human breast cancer tissue,

Applications
Tested Applications:
FC, IHC, WB, ELISA
Cited Applications:
IHC, WB
Species Specificity:
human, mouse
Cited Species:
human, mouse

Positive Controls:
WB: MCF-7 cells; HT-1080 cells, HUVEC cells, U2OS cells, Y79 cells, K-562 cells, 3T3-L1 cells
IHC: human breast cancer tissue,

Background Information
Fibroblast growth factor receptor 1 (FGFR1) is a tyrosine-protein kinase that acts as 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 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 which encode different protein isoforms have been described.

Notable Publications
Author: Lili Yang
Pubmed ID: 28928430
Journal: Sci Rep
Application: WB, IHC

Author: Libo Hou
Pubmed ID: 28889064
Journal: Mol Immunol
Application: WB

Author: T Wang
Pubmed ID: 26535691
Journal: Genet Mol Res
Application: WB

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

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

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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.

Immunohistochemistry 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 retrieved with Tris-EDTA buffer (pH 9).

10^5 K-562 cells were stained with 0.2ug FGFR1 antibody (60325-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-coujugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000.