

FGFR1 Polyclonal antibody

Catalog Number: 30358-1-AP

Basic Information

Catalog Number:

30358-1-AP

Concentration:

350 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC018128

GeneID (NCBI):

2260

UNIPROT ID:

P11362

Full Name:

fibroblast growth factor receptor 1

Calculated MW:

820 aa, 91 kDa

Observed MW:

80 kDa, 95 kDa, 105 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

IHC, IF/ICC, IP, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IP : SH-SY5Y cells,

IHC : human colon tissue, mouse brain tissue, rat kidney tissue

IF/ICC : SH-SY5Y cells,

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.

Storage

Storage:

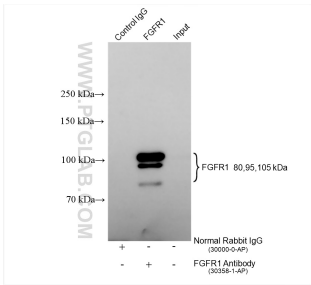
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

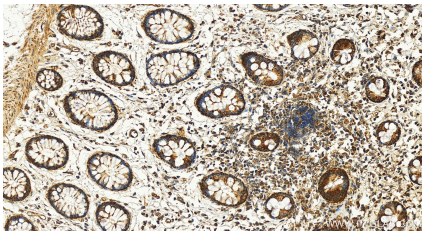
PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

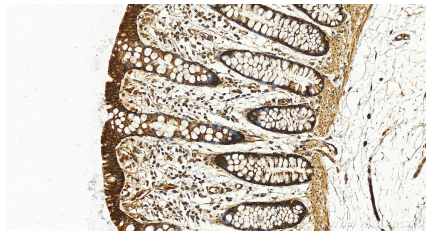
Selected Validation Data



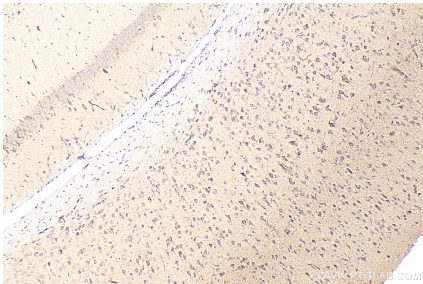
IP result of anti-FGFR1 (IP:30358-1-AP, 4ug; Detection:30358-1-AP 1:300) with SH-SY5Y cells lysate 770 ug.



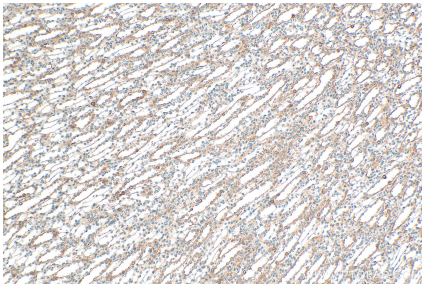
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 30358-1-AP (FGFR1 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



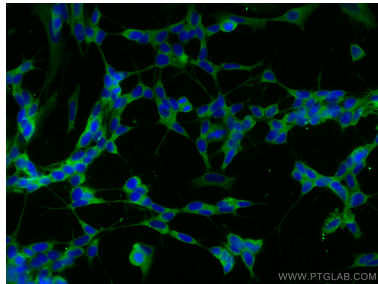
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 30358-1-AP (FGFR1 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 30358-1-AP (FGFR1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 30358-1-AP (FGFR1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using FGFR1 antibody (30358-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).