

For Research Use Only

FRK Polyclonal antibody

Catalog Number: 16197-1-AP



Basic Information

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| Catalog Number: 16197-1-AP | GenBank Accession Number: BC012916 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 240 µg/ml by Nanodrop and 180 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 2444 | Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 IF 1:10-1:100 |
| Source: Rabbit | Full Name: fyn-related kinase | |
| Isotype: IgG | Calculated MW: 505 aa, 56 kDa | |
| Immunogen Catalog Number: AG10372 | Observed MW: 54-57 kDa | |

Applications

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| Tested Applications: FC, IF, IHC, WB, ELISA | Positive Controls: WB : HEK-293 cells, K-562 cells, NIH/3T3 cells IHC : human urothelial carcinoma tissue, IF : HepG2 cells, |
| 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 | |

Background Information

The fyn-related kinase (FRK) belongs to the tyrosine kinase family of protein kinases and is also named as PTK5 (protein-tyrosine kinase 5), RAK (Nuclear tyrosine protein kinase). The Frk is a tyrosine kinase expressed in various tissues, such as the gastrointestinal tract and pancreatic islet cells. It affects pancreatic beta cell number during embryogenesis and promotes beta cell cytotoxic signals in response to streptozotocin (PMID:20157399). It may function as a tumor suppressor (PMID:19345329).

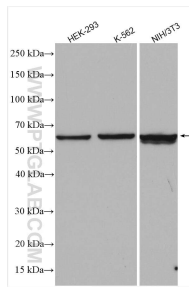
Storage

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

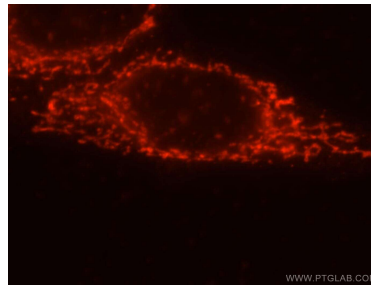
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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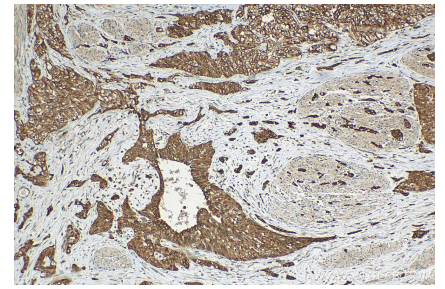
Selected Validation Data



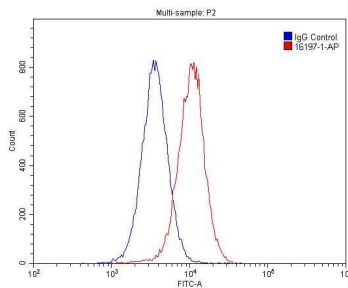
Various lysates were subjected to SDS PAGE followed by western blot with 16197-1-AP (FRK antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells, using FRK antibody 16197-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 16197-1-AP (FRK antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ HepG2 cells were stained with 0.2ug FRK antibody (16197-1-AP, red) and control antibody (blue). Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100. Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.