

For Research Use Only

BRK Polyclonal antibody

Catalog Number: 18697-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

18697-1-AP

Size:

850 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC035843

GeneID (NCBI):

5753

UNIPROT ID:

Q13882

Full Name:

PTK6 protein tyrosine kinase 6

Calculated MW:

52 kDa

Observed MW:

52 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:20-1:200

IF 1:10-1:100

Applications

Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

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

Positive Controls:

WB: HeLa cells, MCF-7 cells, rat spleen tissue, mouse spleen tissue

IP: HeLa cells,

IHC: human colon tissue,

IF: MCF-7 cells,

Background Information

BRK, also named as PTK6 and FLJ42088, is a cytoplasmic nonreceptor protein kinase which may function as an intracellular signal transducer in epithelial tissues. PTK6 can phosphorylate KHDRBS1, KHDRBS2, KHDRBS3 and STAP2/BKS. Overexpression of PTK6 in mammary epithelial cells leads to sensitization of the cells to epidermal growth factor and results in a partially transformed phenotype. Expression of PTK6 has been detected at low levels in some breast tumors but not in normal breast tissue. Its presence in the nucleus appears to be linked to suppression of tumor progression. This antibody is specific to PTK6.

Notable Publications

Author	Pubmed ID	Journal	Application
Guoyu Yu	25189355	Mol Cancer Res	WB
Jianfa Yu	34262410	Dose Response	WB
Xiao-Jing Wang	27311570	Chin J Cancer	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

For technical support and original validation data for this product please contact:

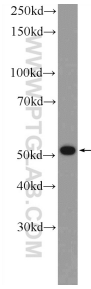
T: 4006900926

E: Proteintech-CN@ptglab.com

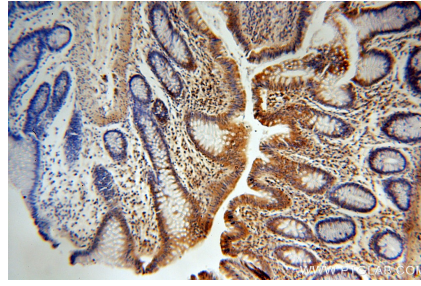
W: ptgcn.com

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

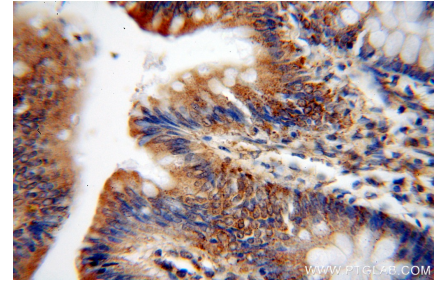
Selected Validation Data



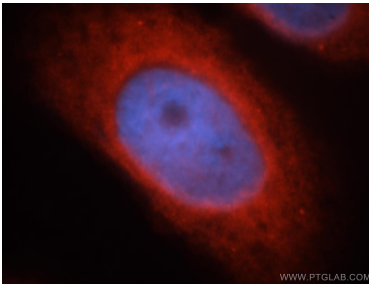
HeLa cells were subjected to SDS PAGE followed by western blot with 18697-1-AP (BRK antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



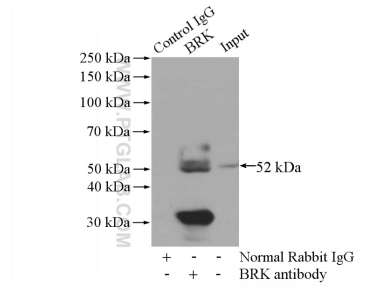
Immunohistochemical analysis of paraffin-embedded human colon using 18697-1-AP (BRK antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon using 18697-1-AP (BRK antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of MCF-7 cells, using PTK6 antibody 18697-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



IP result of anti-BRK (IP:18697-1-AP, 4ug; Detection:18697-1-AP 1:800) with HeLa cells lysate 3440ug.