

For Research Use Only

# PTK6/BRK Polyclonal antibody

Catalog Number: 18697-1-AP

Featured Product

4 Publications



## Basic Information

### Catalog Number:

18697-1-AP

### Concentration:

850 ug/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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human

### Positive Controls:

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

**IP** : HeLa cells,

**IHC** : human colon tissue,

**IF/ICC** : MCF-7 cells,

**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

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:

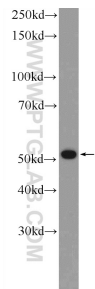
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

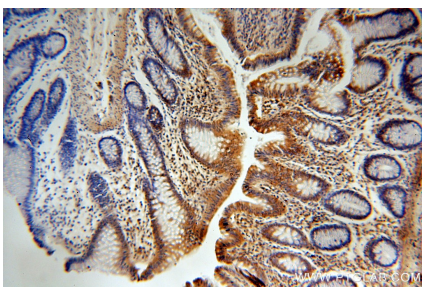
W: [ptgcn.com](http://ptgcn.com)

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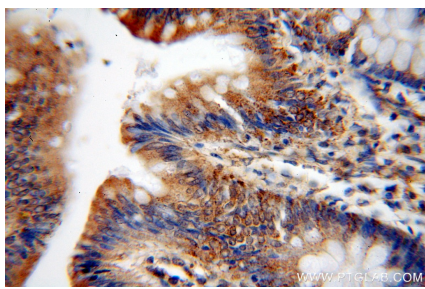
Selected Validation Data



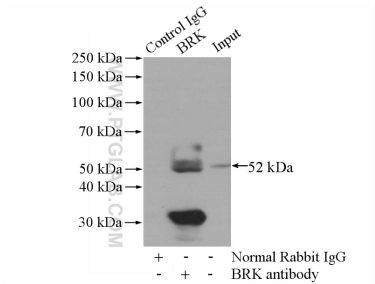
HeLa cells were subjected to SDS PAGE followed by western blot with 18697-1-AP (PTK6/BRK antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



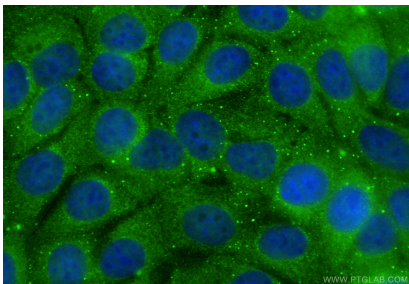
Immunohistochemical analysis of paraffin-embedded human colon using 18697-1-AP (PTK6/BRK antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon using 18697-1-AP (PTK6/BRK antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-PTK6/BRK (IP:18697-1-AP, 4ug; Detection:18697-1-AP 1:800) with HeLa cells lysate 3440ug.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using PTK6/BRK antibody (18697-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).