

For Research Use Only

BLK Polyclonal antibody

Catalog Number: 10510-1-AP

2 Publications



Basic Information

Catalog Number:

10510-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0795

GenBank Accession Number:

BC007371

GeneID (NCBI):

640

UNIPROT ID:

P51451

Full Name:

B lymphoid tyrosine kinase

Calculated MW:

58 kDa

Observed MW:

58 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IP

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 : Jurkat cells, Raji cells, SH-SY5Y cells

IP : SH-SY5Y cells,

IHC : human pancreas cancer tissue,

Background Information

Tyrosine-protein kinase Blk(BLK) is typically involved in cell proliferation and differentiation. BLK is a 58 kDa protein with important role in B-cell receptor signaling and B-cell development. BLK also stimulates INS synthesis and secretion in response to glucose and enhances the expression of several pancreatic beta-cell transcription factors.

Notable Publications

Author	Pubmed ID	Journal	Application
Jaewoo Choi	38701792	Cancer Cell	WB
Cefan Zhou	36797256	Signal Transduct Target Ther	WB,IP

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

*** 20ul sizes contain 0.1% BSA

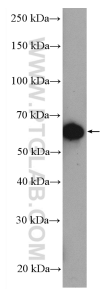
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

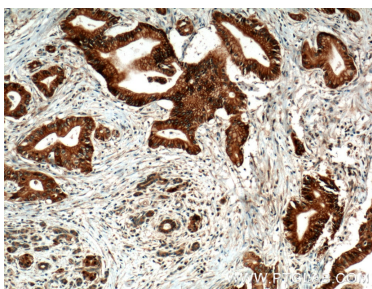
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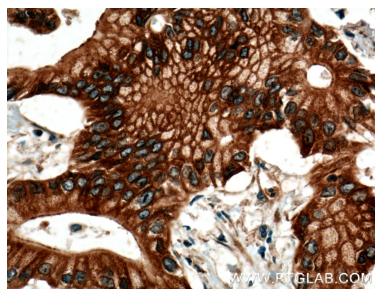
Selected Validation Data



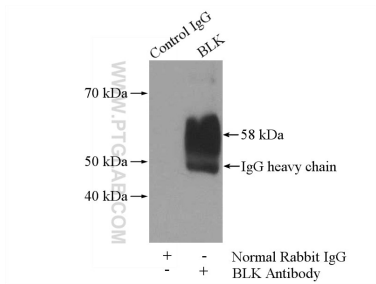
Jurkat cells were subjected to SDS PAGE followed by western blot with 10510-1-AP (BLK antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 10510-1-AP (BLK Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 10510-1-AP (BLK Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-BLK (IP:10510-1-AP, 4ug; Detection:10510-1-AP 1:500) with SH-SY5Y cells lysate 1600ug.