

## BAALC Polyclonal antibody

Catalog Number: 24997-1-AP

1 Publications

## Basic Information

## Catalog Number:

24997-1-AP

## Size:

150ul, Concentration: 500 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG21850

## GenBank Accession Number:

BC011517

## GeneID (NCBI):

79870

## Full Name:

brain and acute leukemia, cytoplasmic

## Calculated MW:

19 kDa

## Observed MW:

19-25 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for IP and 1:200-1:1000 for WB

IHC 1:50-1:500

IF 1:50-1:500

## Applications

## Tested Applications:

IF, IHC, IP, WB, ELISA

## Cited Applications:

IHC

## Species Specificity:

human, mouse

## 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 : HEK-293 cells, A375 cells, mouse brain tissue

IP : mouse brain tissue,

IHC : mouse brain tissue,

IF : HEK-293 cells,

## Background Information

Brain and acute leukemia cytoplasmic protein, also named as BAALC, is a 180 amino acid protein, which interacts with CAMK2A. BAALC localizes in the cytoplasm and membrane. BAALC is expressed in neural and hematopoietic cells. Expression is found both in normal early progenitor cells and in the most immature type of blasts in acute leukemia but not in mature hematopoietic cells. BAALC may play a synaptic role at the postsynaptic lipid rafts by interacting with CAMK2A.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yong-Tao He	31478925	Chin Med J (Engl)	IHC

## 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

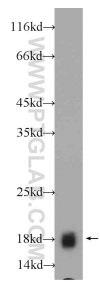
For technical support and original validation data for this product please contact:

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

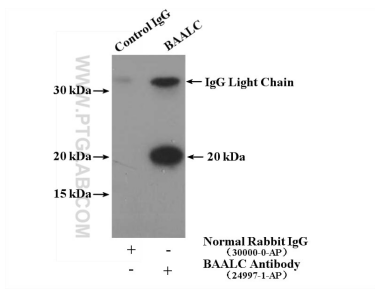
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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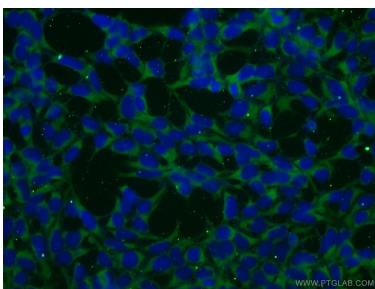
Selected Validation Data



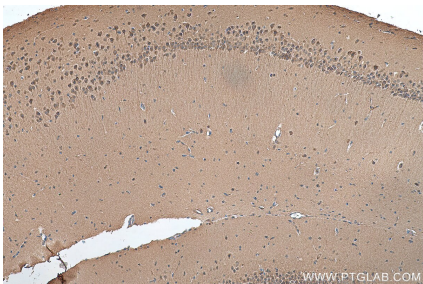
HEK-293 cells were subjected to SDS PAGE followed by western blot with 24997-1-AP (BAALC Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP Result of anti-BAALC (IP:24997-1-AP, 4ug; Detection:24997-1-AP 1:300) with mouse brain tissue lysate 3000ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 24997-1-AP (BAALC antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 24997-1-AP (BAALC antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).