

For Research Use Only

# BSAP, PAX5 Polyclonal antibody

Catalog Number: 26709-1-AP

Featured Product

3 Publications



## Basic Information

### Catalog Number:

26709-1-AP

### Size:

550 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG25147

### GenBank Accession Number:

BC156927

### GeneID (NCBI):

5079

### UNIPROT ID:

Q02548

### Full Name:

paired box 5

### Calculated MW:

391 aa, 42 kDa

### Observed MW:

42 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 1:50-1:500

## Applications

### Tested Applications:

FC, IHC, IP, WB, ELISA

### Cited Applications:

IHC

### Species Specificity:

human, mouse

### Cited Species:

human, mouse

**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 : Daudi cells, Raji cells, Ramos cells

IP : Ramos cells,

IHC : human lymphoma tissue, human tonsillitis tissue

## Background Information

PAX5, also named B-cell specific activator protein (BSAP), is a member of the highly conserved paired box (PAX)-domain family of transcription factors. PAX5 is essential in normal B-cell lymphopoiesis. It is expressed in pro-B, pre-B and mature B lymphocytes but not in plasma cells. PAX5 is a common target in leukemogenesis of B-ALL ( B-lineage acute lymphoblastic leukemia) along with CDKN2A. Owing to its frequent deletion in B-ALL, PAX5 could be used as one of the molecular markers in diagnosis and monitoring of the disease. This antibody is specific to PAX5. It will not cross react with other PAX members.

## Notable Publications

Author	Pubmed ID	Journal	Application
Runzhi Huang	33397394	Cancer Cell Int	IHC
Jennifer S Ko	32026485	J Cutan Pathol	IHC
Shuai Wu	35363937	Mol Oncol	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

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

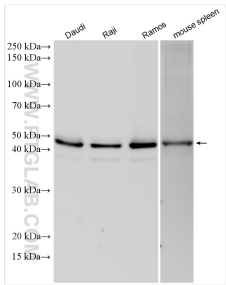
T: 4006900926

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

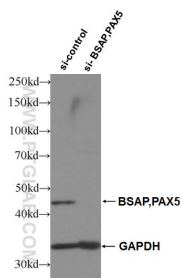
W: [ptgcn.com](http://ptgcn.com)

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

Selected Validation Data



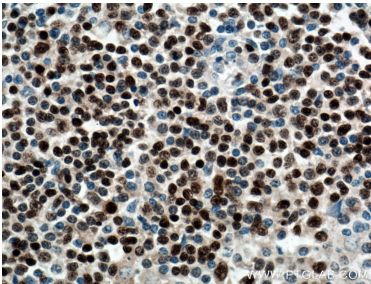
Various lysates were subjected to SDS PAGE followed by western blot with 26709-1-AP (BSAP,PAX5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



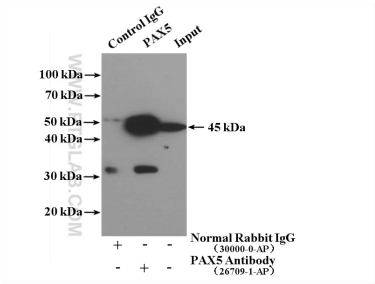
WB result of BSAP,PAX5 antibody (26709-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-BSAP,PAX5 transfected Raji cells.



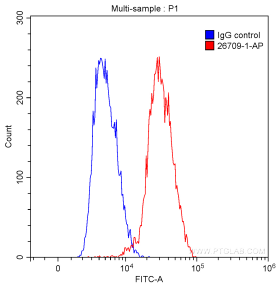
Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 26709-1-AP (BSAP,PAX5 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 26709-1-AP (BSAP,PAX5 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-BSAP,PAX5 (IP:26709-1-AP, 4ug; Detection:26709-1-AP 1:1000) with Ramos cells lysate 3600 ug.



1X10^6 Ramos cells were intracellularly stained with 0.20 ug/test Anti-Human BSAP,PAX5 (26709-1-AP) (red) or 0.20 ug control antibody (blue) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000. Fixed with 90% MeOH.