

For Research Use Only

BSAP,PAX5 Monoclonal antibody

Catalog Number:60349-1-Ig

Featured Product

1 Publications



Basic Information

Catalog Number:

60349-1-Ig

Concentration:

3100 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG16023

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:

Protein G purification

CloneNo.:

2H2D6

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, FC (Intra), ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human

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 : Ramos cells, Daudi cells, Raji cells

IHC : human tonsillitis tissue,

FC (Intra) : Ramos cells,

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
Yubo Zhao	36064939	Cell Death Dis	WB,IP,IHC,IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

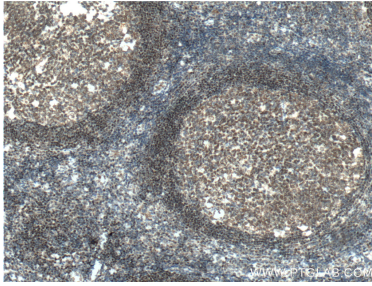
T: 4006900926

E: Proteintech-CN@ptglab.com

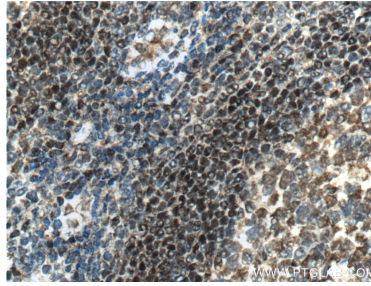
W: ptgcn.com

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

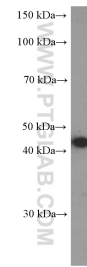
Selected Validation Data



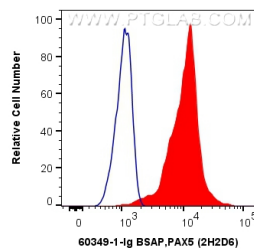
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60349-1-Ig (BSAP,PAX5 Antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60349-1-Ig (BSAP,PAX5 Antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Ramos cells were subjected to SDS PAGE followed by western blot with 60349-1-Ig (BSAP,PAX5 Antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



1X10⁶ Ramos cells were intracellularly stained with 0.4 ug Anti-Human BSAP,PAX5 (60349-1-Ig, Clone:2H2D6) and Coralite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).