

For Research Use Only

# CD7 Monoclonal antibody

Catalog Number: 60209-2-Ig



## Basic Information

Catalog Number:

60209-2-Ig

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG1805

GenBank Accession Number:

BC009293

GeneID (NCBI):

924

ENSEMBL Gene ID:

ENSG00000173762

UNIPROT ID:

P09564

Full Name:

CD7 molecule

Calculated MW:

240 aa, 25 kDa

Observed MW:

34-36 kDa

Purification Method:

Protein G purification

CloneNo.:

2A4E6

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:1000-1:4000

## Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

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 : Jurkat cells, HepG2 cells, HuH-7 cells, MOLT-4 cells

IHC : human tonsillitis tissue, human appendicitis tissue, human lymphoma tissue, mouse thymus tissue

## Background Information

CD7 is a type I transmembrane glycoprotein expressed on thymocytes and mature T cells. It is the most reliable clinical marker of T-cell acute lymphocytic leukemia.

## 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:

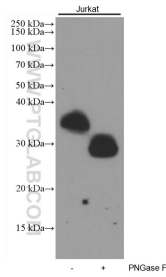
T: 4006900926

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

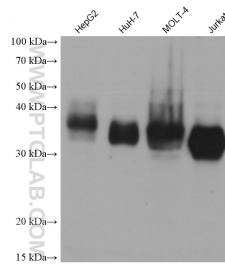
W: [ptgcn.com](http://ptgcn.com)

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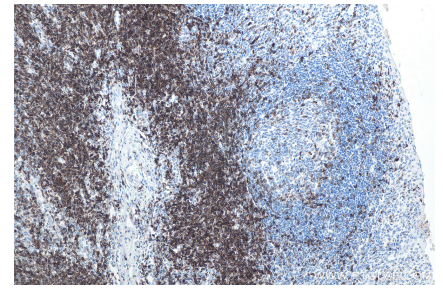
## Selected Validation Data



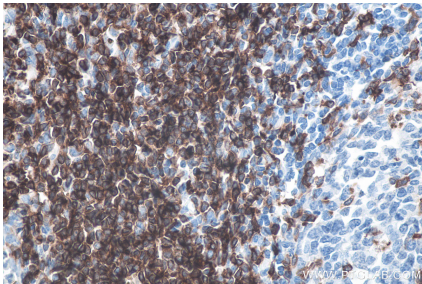
Untreated and PNGase F-treated lysates of Jurkat cells were subjected to SDS PAGE followed by western blot with 60209-2-Ig (CD7 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



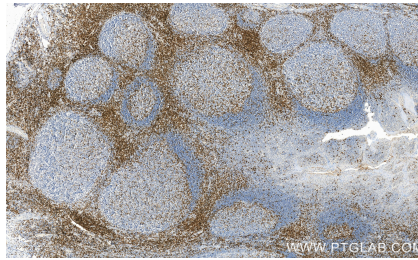
Various lysates were subjected to SDS PAGE followed by western blot with 60209-2-Ig (CD7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60209-2-Ig (CD7 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60209-2-Ig (CD7 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60209-2-Ig (CD7 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).