

For Research Use Only

CD3 Gamma Polyclonal antibody

Catalog Number: 21120-1-AP

3 Publications



Basic Information

Catalog Number:

21120-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15475

GenBank Accession Number:

BC113830

GeneID (NCBI):

917

UNIPROT ID:

P09693

Full Name:

CD3g molecule, gamma (CD3-TCR complex)

Calculated MW:

182 aa, 20 kDa

Observed MW:

20-25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

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

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

IHC

Species Specificity:

human, mouse, rat

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 : Jurkat cells, mouse thymus tissue, MOLT-4 cells

IP : mouse thymus tissue,

IHC : human tonsillitis tissue, human lymphoma tissue

Background Information

CD3 is a complex of proteins that directly associates with the T cell receptor (TCR). The TCR/CD3 complex of T-lymphocytes consists of either a TCR alpha/beta or TCR gamma/delta heterodimer coexpressed at the cell surface with the invariant subunits of CD3 labeled gamma, delta, epsilon, zeta, and eta. The TCR recognizes antigens bound to major histocompatibility complex (MHC) molecules. TCR-mediated peptide-MHC recognition is transmitted to the CD3 complex, leading to the intracellular signal transduction. CD3 is considered to be a pan-T cell marker for detection of normal and neoplastic T cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Sohji Nishina	30510994	Cell Mol Gastroenterol Hepatol	IHC
Weihui Kong	38751816	Front Oncol	IHC
Shogo Tsuji	37045472	Life Sci Alliance	

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:

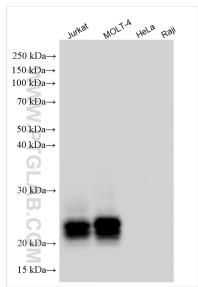
T: 4006900926

E: Proteintech-CN@ptglab.com

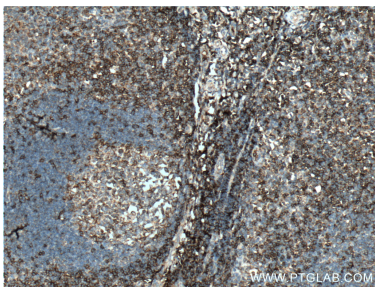
W: ptgcn.com

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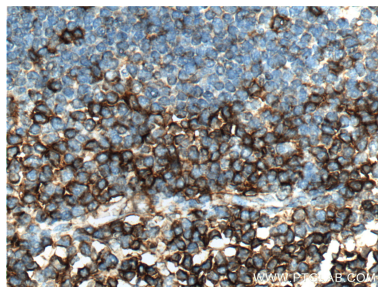
Selected Validation Data



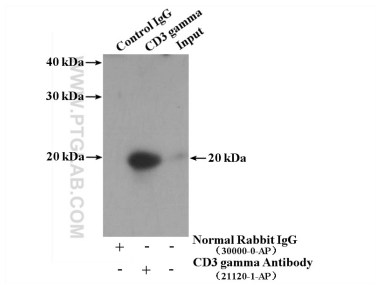
Various lysates were subjected to SDS PAGE followed by western blot with 21120-1-AP (CD3 Gamma antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 21120-1-AP (CD3 gamma 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 tonsillitis tissue slide using 21120-1-AP (CD3 gamma antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-CD3 Gamma (IP:21120-1-AP, 4ug; Detection:21120-1-AP 1:600) with mouse thymus tissue lysate 2800ug.