

For Research Use Only

CD81 Polyclonal antibody

Catalog Number: 27855-1-AP

Featured Product

74 Publications



Basic Information

Catalog Number:

27855-1-AP

Concentration:

650 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27298

GenBank Accession Number:

BC002978

GeneID (NCBI):

975

ENSEMBL Gene ID:

ENSG00000110651

UNIPROT ID:

P60033

Full Name:

CD81 molecule

Calculated MW:

26 kDa

Observed MW:

23 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:1000-1:4000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, canine

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 : Raji cells, mouse brain tissue, rat brain tissue, Jurkat cells

IHC : human tonsillitis tissue,

Background Information

CD81 (also known as TAPA1 or TSPAN28) is a membrane protein of the tetraspanin superfamily, which are characterized by the presence of four conserved transmembrane regions. Many of these members are expressed on leukocytes and have been implicated in signal transduction, cell-cell interactions, and cellular activation and development. CD81 is involved in signal transduction and cell adhesion in the immune system (PMID: 9597125). CD81 has also been identified as an essential receptor for HCV (hepatitis C virus) (PMID: 21428934).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|----------------------|-----------|----------|-------------|
| Jorge Lascano | 36084115 | PLoS One | WB |
| Xiaoshuang Li | 36182945 | Biol Res | WB |
| Montserrat Carrascal | 34599510 | J Pathol | WB |

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:

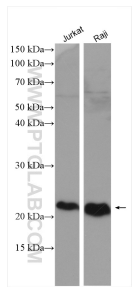
T: 4006900926

E: Proteintech-CN@ptglab.com

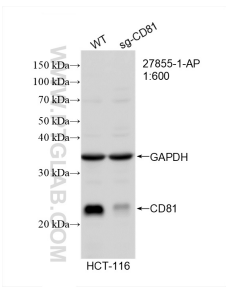
W: ptgcn.com

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

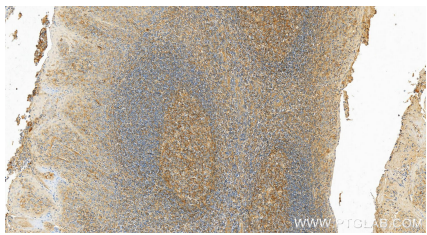
Selected Validation Data



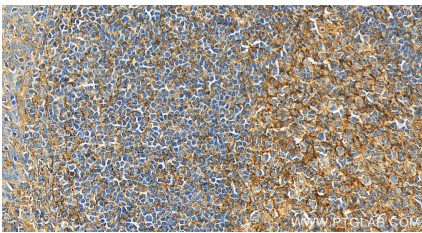
Jurkat cells and Raji cells were subjected to SDS PAGE followed by western blot with 27855-1-AP (CD81 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



WB result of CD81 antibody (27855-1-AP; 1:600; room temperature for 1.5 hours) with wild-type and CD81 knockout HCT 116 cells.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 27855-1-AP (CD81 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 27855-1-AP (CD81 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).