

For Research Use Only

CD82 Recombinant antibody

Catalog Number: 84617-7-RR



Basic Information

Catalog Number:

84617-7-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_002231.4

GeneID (NCBI):

3732

UNIPROT ID:

P27701-1

Full Name:

CD82 molecule

Calculated MW:

30 kDa

Observed MW:

35-45 kDa

Purification Method:

Protein A purification

CloneNo.:

241765G7

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:200-1:800

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

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 : Jurkat cells, Raji cells, U-87 MG cells

IHC : human tonsillitis tissue, human ovary cancer tissue

Background Information

CD82 is a membrane glycoprotein and belongs to the tetraspanin superfamily, many of which are implicated in the regulation of cell motility, morphology, fusion, signaling, fertilization, and differentiation. CD82 was originally identified as a suppressor of metastasis located on human chromosome 11p11.2 in prostate carcinoma. The majority of evidence indicates that CD82 expression is downregulated or abolished in a variety of malignant tumors. CD82 is present at high levels in human monocyte and macrophage lineages and in various epithelial cells in the prostate, lung, pancreas and many other tissues. In epithelial cells, CD82 is implicated in diverse biological processes such as cell adhesion, migration, apoptosis and morphogenesis.

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:

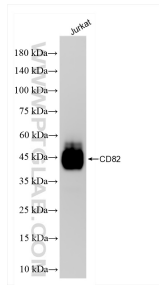
T: 4006900926

E: Proteintech-CN@ptglab.com

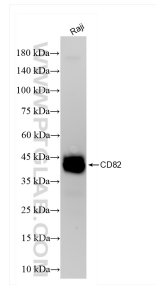
W: ptgcn.com

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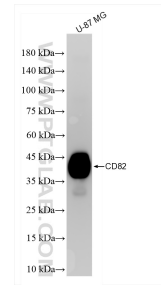
Selected Validation Data



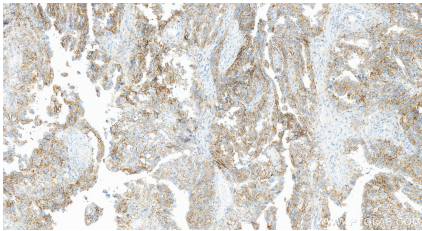
Jurkat cells were subjected to SDS PAGE followed by western blot with 84617-7-RR (CD82 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



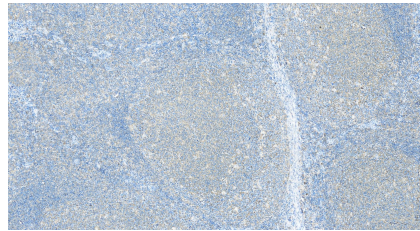
Raji cells were subjected to SDS PAGE followed by western blot with 84617-7-RR (CD82 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



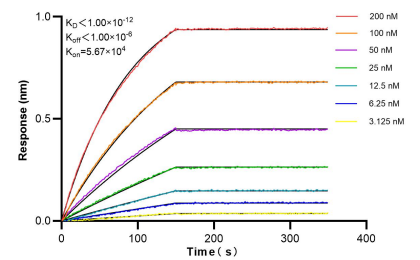
U-87 MG cells were subjected to SDS PAGE followed by western blot with 84617-7-RR (CD82 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 84617-7-RR (CD82 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84617-7-RR (CD82 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Bi-layer interferometry (BLI) kinetic assays of 84617-7-RR against Human CD82 were performed. The affinity constant is below 1 pM.