

For Research Use Only

Beta-2-Microglobulin Recombinant antibody

Catalog Number: 83683-6-RR



Basic Information

Catalog Number:

83683-6-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4433

GenBank Accession Number:

BC032589

GeneID (NCBI):

567

ENSEMBL Gene ID:

ENSG00000166710

UNIPROT ID:

P61769

Full Name:

beta-2-microglobulin

Calculated MW:

119 aa, 14 kDa

Observed MW:

12 kDa

Purification Method:

Protein A purification

CloneNo.:

240660A12

Recommended Dilutions:

WB 1:5000-1:50000

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

IHC 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IP, 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 : A431 cells, HepG2 cells, Raji cells, U-937 cells, Jurkat cells

IP : A431 cells,

IHC : human tonsillitis tissue,

Background Information

Beta-2-microglobulin (B2M) is a component of MHC class I molecules, which are present on the surface of nearly all nucleated cells. It can be found in body fluids under physiologic conditions due to shedding from cell surfaces or intracellular release. B2M has various biological functions, including antigen presentation. Investigations reveal that increased synthesis and release of B2M are present in several malignant diseases.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

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

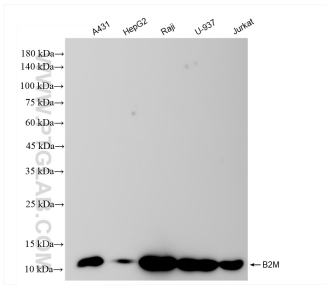
T: 4006900926

E: Proteintech-CN@ptglab.com

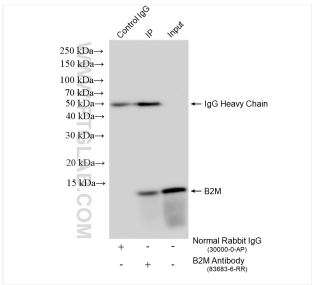
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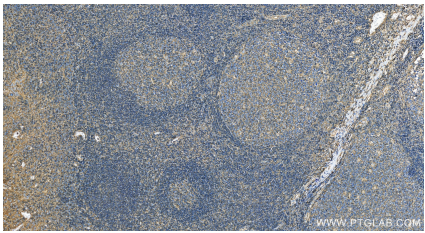
Selected Validation Data



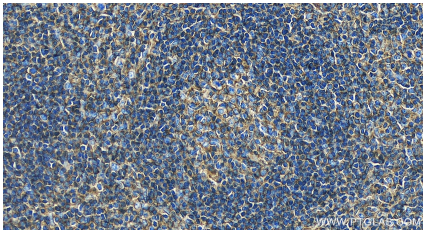
Various lysates were subjected to SDS PAGE followed by western blot with 83683-6-RR (Beta-2-Microglobulin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



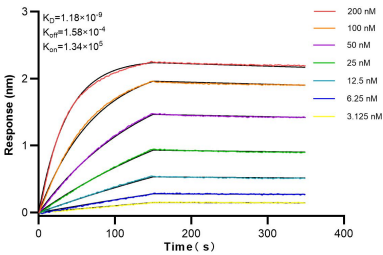
IP result of anti-Beta-2-Microglobulin (IP:83683-6-RR, 4ug; Detection:83683-6-RR 1:3000) with A431 cells lysate 2180 ug.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 83683-6-RR (Beta-2-Microglobulin antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Biolayer interferometry (BLI) kinetic assays of 83683-6-RR against Human Beta-2-Microglobulin were performed. The affinity constant is 1.18 nM.