

For Research Use Only

Integrin Beta 7 Polyclonal antibody

Catalog Number: 11328-1-AP

6 Publications



Basic Information

Catalog Number:

11328-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1871

GenBank Accession Number:

BC015916

GeneID (NCBI):

3695

UNIPROT ID:

P26010

Full Name:

integrin, beta 7

Calculated MW:

798 aa, 87 kDa

Observed MW:

87-100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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: THP-1 cells, human lung tissue, K-562 cells, mouse spleen tissue

IHC: human tonsillitis tissue,

Background Information

ITGB7 (integrin, beta7) is a single-pass type I membrane protein that belongs to the integrin beta chain family. The integrins are a large family of cell-surface glycoprotein receptors that play key roles in leucocyte adhesion, signalling, proliferation and migration by binding as heterodimers to specific ligands. The beta7 integrin associates with alpha4 integrin to form a heterodimer, alpha4/beta7, which interacts with MADCAM1, VCAM, fibronectin, and may also interact with HIV-1 gp120. The beta7 integrin can also form a heterodimer with alphaE integrin, and the dimer, alphaE/beta7 integrin, is a receptor for E-cadherin. ITGB7 is expressed in a variety of leukocyte lines.

Notable Publications

Author	Pubmed ID	Journal	Application
Tong Sun	33627137	Cell Commun Signal	WB
Gilad Halpert	24764299	J Biol Chem	IF
Qi-Cheng Ni	39461386	J Ethnopharmacol	WB

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

*** 20ul sizes contain 0.1% BSA

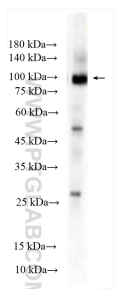
For technical support and original validation data for this product please contact:

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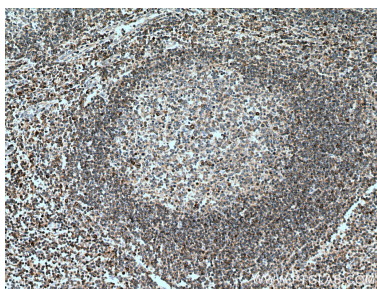
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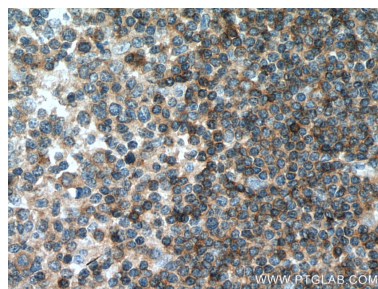
Selected Validation Data



THP-1 cells were subjected to SDS PAGE followed by western blot with 11328-1-AP (Integrin Beta 7 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 11328-1-AP (Integrin Beta 7 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 11328-1-AP (Integrin Beta 7 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).