Integrin Beta 7 Polyclonal antibody

Catalog Number: 11328-1-AP

Basic Information

- **Catalog Number:** 11328-1-AP
- **Size:** 150UL, Concentration: 300 μg/ml by Bradford method using BSA as the standard
- **Source:** Rabbit
- **Isotype:** IgG
- **Immunogen Catalog Number:** AG1871

**Gene**

- **GenBank Accession Number:** BC015916
- **GeneID (NCBI):** 3695
- **Full Name:** integrin, beta 7
- **Calculated MW:** 798 aa, 87 kDa
- **Observed MW:** 87 kDa

**Purification Method:** Antigen affinity purification

**Recommended Dilutions:**
- **WB:** 1:500-1:2000
- **IHC:** 1:20-1:200

Applications

- **Tested Applications:** IHC, WB, ELISA
- **Cited Applications:** IF, 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

Background Information

ITGB7 (integrin, beta 7) 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 leukocyte adhesion, signalling, proliferation and migration by binding as heterodimers to specific ligands. The beta 7 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 beta 7 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

<table>
<thead>
<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gilad Halpert</td>
<td>24764299</td>
<td>J Biol Chem</td>
<td>IF</td>
</tr>
<tr>
<td>Sundqvist J J</td>
<td>22767451</td>
<td>Hum Reprod</td>
<td>IHC</td>
</tr>
</tbody>
</table>

Storage

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.1% 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: 1 (888) 4PTGLAB (1-888-478-4522) | E: proteintech@ptglab.com
or 1(312) 455-8498 (outside USA) W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
K-562 cells were subjected to SDS PAGE followed by western blot with 11328-1-AP (ITGB7 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human lymphoma using 11328-1-AP (ITGB7 antibody) at dilution of 1:50 (under 10x lens).