Integrin beta-3
Polyclonal ANTIBODY

Catalog Number: 18309-1-AP

Basic Information

- **Catalog Number:** 18309-1-AP
- **GenBank Accession Number:** BC127667
- **GeneID (NCBI):** 3690
- **Recommended Dilutions:**
  - WB: 1:500-1:2000
  - IP: 0.5-4.0 μg for IP and 1:200-1:1000 for WB
- **Full Name:** Integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)
- **Immunogen Catalog Number:** BC127667
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification
- **Size:** 40 μg/150 μl
- **Observed M.W.:** 100 kDa

Applications

- **Tested Applications:** IP, WB, ELISA
- **Cited Applications:** IF, WB
- **Species Specificity:** human, mouse, rat
- **Cited Species:** Hamster, human, mouse, rat

Background Information

CD61, also named as ITGβ3 and GPIIIa, is a receptor for cytotactin, fibronectin, laminin, matrix metalloproteinase-2, osteopontin, osteomodulin, prothrombin, thrombospondin, vitronectin and vitronectin receptor. CD61 recognizes the sequence R-G-D in a wide array of ligands and the sequence H-H-L-G-G-A-V-I-G-A-V in fibrinogen. Following activation, CD61 brings about platelet/platelet interaction through binding of soluble fibrinogen which leads to rapid platelet aggregation which physically plugs ruptured endothelial surface. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi’s sarcoma lesions. Human CD61 has a calculated molecular weight of 87 kDa. As a result of glycosylation, the apparent molecular mass of CD61 is approximately 90-110 kDa.

Notable Publications

<table>
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<tr>
<th>Author</th>
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<th>Application</th>
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<tbody>
<tr>
<td>Yueqi Li</td>
<td>3037155</td>
<td>J Cell Biochem</td>
<td>WB</td>
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<tr>
<td>Tingting Luo</td>
<td>27882288</td>
<td>Cell Prolif</td>
<td>WB</td>
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<tr>
<td>Ting Yan</td>
<td>25752407</td>
<td>J Biol Chem</td>
<td>WB</td>
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Storage

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.01% 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:

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E: proteintech@ptglab.com
W: ptglab.com

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mouse spleen tissue were subjected to SDS PAGE followed by western blot with 18309-1-AP (integrin beta-3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.