IL18  
Polyclonal ANTIBODY  
Catalog Number: 10663-1-AP

**Basic Information**

- **Catalog Number:** 10663-1-AP
- **Size:** 42 μg/150 μl
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification
- **Immunogen Catalog Number:** AG1063
- **GenBank Accession Number:** BC007461
- **GeneID (NCBI):** 3606
- **Full Name:** Interleukin 18 (interferon-gamma-inducing factor)
- **Calculated MW:** 193aa, 22 kDa
- **Observed MW:** 22 kDa

**Recommended Dilutions:**
- **WB:** 1:500-1:2000
- **IP:** 0.5-4.0 μg for IP and 1:500-1:2000 for WB
- **IHC:** 1:50-1:500
- **IF:** 1:10-1:100

**Applications**

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

**Background Information**

IL18 is a proinflammatory cytokine involved in the development of Th1 cells and in immune response. It can stimulate the NK cells and certain T cells to release interferon gamma which plays an important role in activating the macrophages or other cells. IL18 has been demonstrated to have the potential to enhance Fas ligand-mediated cytotoxicity, which is increased in PE and regulates placental apoptosis. IL18 is synthesized as a 22 kDa precursor and then cleaved into a biologically active 18 kDa form. This antibody 10663-1-AP is raised against the full length IL18 precursor, and it recognizes both the pre-IL18 and mature IL18 theoretically.

**Notable Publications**

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<th>Author</th>
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<tr>
<td>Shutao Gao</td>
<td>31644893</td>
<td>Life Sci</td>
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<td>Hongyang Liu</td>
<td>30343399</td>
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<td>Qinyu Wang</td>
<td>31758699</td>
<td>Br J Pharmacol</td>
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**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:  
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W: ptglab.com  

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
**Selected Validation Data**

*HeLa cells were subjected to SDS PAGE followed by western blot with 10663-1-AP (Pre-IL18 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.*

*WB result of Pre-IL18 antibody (10663-1-AP, 1:4000) with si-Control and si-Pre-IL18 transfected HeLa cells.*

*Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 10663-1-AP (IL18 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieved with Tris-EDTA buffer(pH9).*

*IP Result of anti-Pre-IL18 (IP: 10663-1-AP, 3ug; Detection: 10663-1-AP 1:1000) with HeLa cells lysate 5000ug.*

*IP Result of anti-Pre-IL18 (IP: 10663-1-AP, 3ug; Detection: 10663-1-AP 1:1000) with HeLa cells lysate 5000ug.*

*Immunofluorescent analysis of HeLa cells using 10663-1-AP(Pre-IL18 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).*

*Immunofluorescent analysis of HeLa cells using 10663-1-AP(Pre-IL18 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).*

*Immunofluorescent analysis of HeLa cells using 10663-1-AP(Pre-IL18 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).*