IL-17 Polyclonal antibody

Catalog Number: 13082-1-AP

Basic Information

- **Catalog Number:** 13082-1-AP
- **Size:** 150μl, Concentration: 650 μg/ml by Nanodrop and 340 μg/ml by Bradford method using BSA as the standard
- **Source:** Rabbit
- **Isotype:** IgG
- **Immunogen Catalog Number:** AG3733

- **GenBank Accession Number:** BC067505
- **GeneID (NCBI):** 3605
- **Full Name:** interleukin 17A
- **Calculated MW:** 155 aa, 18 kDa
- **Purification Method:** Antigen affinity purification
- **Recommended Dilutions:** IHC 1:50-1:500

Applications

- **Tested Applications:** IHC, ELISA
- **Cited Applications:** Cell treatment, FC, IF, IHC, WB
- **Species Specificity:** human
- **Cited Species:** human

**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

IL17A, also named as IL-17, is a proinflammatory cytokine. IL-17, synthesized only by memory T cells and natural killer cells, has pleiotropic effects, mainly in the recruitment and activation of neutrophils. This cytokine regulates the activities of NF-kappaB and mitogen-activated protein kinases. This cytokine can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis. The IL-17 receptor is a type I transmembrane protein, that is widely expressed on epithelial cells, fibroblasts, B and T cells, and monocytic cells. In psoriatic skin lesions, both Th17 cells and their downstream effector molecules, e.g. IL-17 and IL-22, are highly increased. This antibody got 32-35 kDa band in western blot, maybe due to homodimer formation and differential glycosylations.

Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
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<th>Journal</th>
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</tr>
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<tbody>
<tr>
<td>Yang Liu</td>
<td>36175851</td>
<td>BMC Mol Cell Biol</td>
<td>IF</td>
</tr>
<tr>
<td>Yong Xu</td>
<td>34630661</td>
<td>Exp Ther Med</td>
<td>WB</td>
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<tr>
<td>Ying Jiang</td>
<td>34655920</td>
<td>Mol Immunol</td>
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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***

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or (312) 465-8498 (outside USA)
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W: ptglab.com

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Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 13082-1-AP (IL-17 antibody at dilution of 1:200 (under 10x lens).

Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 13082-1-AP (IL-17 antibody at dilution of 1:200 (under 40x lens).