IL-17 Polyclonal ANTIBODY
Catalog Number: 13082-1-AP

Basic Information
Catalog Number: 13082-1-AP
Size: 51 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG3733

GenBank Accession Number: BC067505
GeneID (NCBI): 3605
Calculated MW: 155aa, 18 kDa
Observed MW:

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:50-1:500

Applications
Tested Applications: IHC, WB, ELISA
Cited Applications: IF, IHC, WB
Species Specificity: Human

Positive Controls:
WB: U-937 cells; Transfected HEK-293 cells, human testis tissue
IHC: Human colon cancer tissue; human prostate cancer tissue

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

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<tr>
<th>Author</th>
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<th>Journal</th>
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<tbody>
<tr>
<td>Jian Shang</td>
<td>27110068</td>
<td>Mediators Inflamm</td>
<td>IF</td>
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<tr>
<td>Yu Zhu</td>
<td>27032019</td>
<td>Mol Med Rep</td>
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<tr>
<td>Masaki Yamauchi</td>
<td>28278185</td>
<td>PLoS One</td>
<td>IHC</td>
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Storage
Store at -20ºC. 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 ºC storage

For technical support and original validation data for this product please contact:
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Transfected HEK-293 cells were subjected to SDS PAGE followed by western blot with 13082-1-AP (IL-17 antibody at dilution of 1:500) incubated at room temperature for 1.5 hours.

U-937 cells were subjected to SDS PAGE followed by western blot with 13082-1-AP (IL-17 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

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

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