

For Research Use Only

# IL-22RA1 Polyclonal antibody

Catalog Number: 13462-1-AP **17 Publications**



## Basic Information

|   |   |  |
|---|---|--|
| <b>Catalog Number:</b><br>13462-1-AP                          | <b>GenBank Accession Number:</b><br>BC029273          | <b>Purification Method:</b><br>Antigen affinity purification       |
| <b>Size:</b><br>150ul , Concentration: 700 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>58985                        | <b>Recommended Dilutions:</b><br>WB 1:1000-1:4000<br>IF 1:50-1:500 |
| <b>Source:</b><br>Rabbit                                      | <b>UNIPROT ID:</b><br>Q8N6P7                          |  |
| <b>Isotype:</b><br>IgG  | <b>Full Name:</b><br>interleukin 22 receptor, alpha 1 |  |
| <b>Immunogen Catalog Number:</b><br>AG4056                    | <b>Calculated MW:</b><br>574 aa, 63 kDa               |  |
|   | <b>Observed MW:</b><br>63-68 kDa                      |  |

## Applications

|  |  |
|--|--|
| <b>Tested Applications:</b><br>WB, IF, ELISA, FC (Intra) | <b>Positive Controls:</b><br>WB : COLO 320 cells, HEK-293 cells, HepG2 cells, HT-29 cells, mouse small intestine tissue, mouse heart tissue<br>IF : human gut, |
| <b>Cited Applications:</b><br>WB, IHC, IF, IP            |  |
| <b>Species Specificity:</b><br>human, mouse, rat         |  |
| <b>Cited Species:</b><br>human, mouse, rat, pig          |  |

## Background Information

Interleukin-22 (IL-22), a member of the IL-10 family of cytokines, is important for the modulation of tissue responses during inflammation. IL-22 receptor is a heterodimer of the IL-10RB and IL-22RA1. IL-22RA1 belongs to the class II cytokine receptor family. It is expressed in a limited number of tissues including skin, colon, liver, lung, pancreas and kidney. The expression is lack in immune cells such as monocytes, T cells, and NK cells (PMID: 15308104). IL-22RA1 can also form a receptor for IL-20 and IL-24 with IL20RB (PMID: 23793061).

## Notable Publications

| Author     | Pubmed ID | Journal                       | Application |
|------------|-----------|-------------------------------|-------------|
| Zixuan Gao | 36103628  | Am J Physiol Endocrinol Metab | WB,IF       |
| Yufei Wang | 36201050  | Cell Tissue Res               | IF          |
| Shidi Wu   | 31790685  | Life Sci                      | WB          |

## Storage

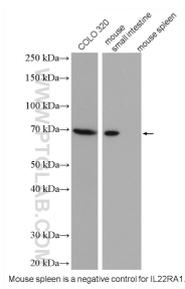
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

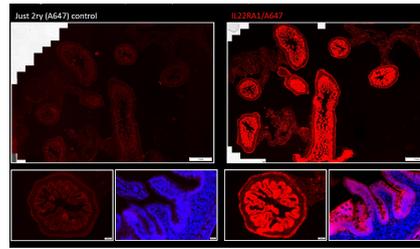
For technical support and original validation data for this product please contact:  
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E: proteintech@ptglab.com  
W: ptglab.com

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

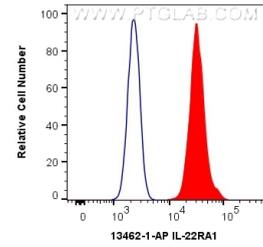
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13462-1-AP (IL22RA1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Staining of IL22RA1 (Cat#13462-1-AP) (2 $\mu$ g/ml) on FFPE human gut. The nuclei were counter stained with DAPI (in blue). The IL22RA1 signal is localized in the epithelial compartment which is expected. (Data from Manuel Florez, Laboratory Dre. Naglaa Shoukry, CRCHUM).



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4  $\mu$ g Anti-Human IL-22RA1 (13462-1-AP) and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4  $\mu$ g Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).