

IL-22 Recombinant antibody, PBS Only

Catalog Number: 82766-15-PBS

Basic Information

Catalog Number:

82766-15-PBS

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

HZ-1325

GenBank Accession Number:

BC066263

GeneID (NCBI):

50616

UNIPROT ID:

Q9GZX6

Full Name:

interleukin 22

Observed MW:

20 kDa

Purification Method:

Protein A purification

CloneNo.:

250428B5

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

Interleukin-22 (IL-22) is a member of the IL-10 cytokine family, primarily produced by immune cells such as group 3 innate lymphoid cells (ILC3s), Th17 cells, Th22 cells, and $\gamma\delta$ T cells (PMID: 25706098). Its unique feature lies in targeting non-immune epithelial and stromal cells, which exclusively express the heterodimeric IL-22 receptor (IL-22R1 and IL-10R2). IL-22 plays a dual role in immunity and tissue homeostasis: it promotes epithelial cell proliferation, regeneration, and barrier integrity through the upregulation of antimicrobial peptides (e.g., defensins) and mucin production, thereby enhancing defense against extracellular pathogens. However, IL-22 can also drive pathological inflammation in autoimmune and chronic inflammatory diseases (e.g., psoriasis, colitis) when dysregulated. This functional dichotomy highlights its context-dependent nature as both a protective mediator and a pathogenic effector (PMID: 20498020).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

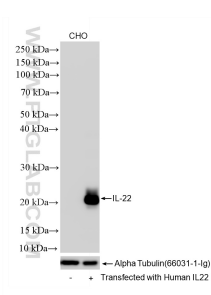
For technical support and original validation data for this product please contact:

T: 4006900926

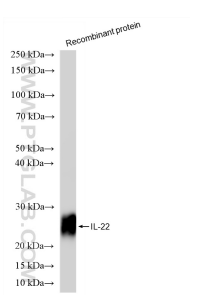
E: Proteintech-CN@ptglab.comW: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82766-15-RR (IL22 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82766-15-PBS in a different storage buffer formulation.



Recombinant protein were subjected to SDS PAGE followed by western blot with 82766-15-RR (IL22 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82766-15-PBS in a different storage buffer formulation.