

IL-22 Recombinant antibody

Catalog Number: 82766-15-RR

Basic Information

Catalog Number:

82766-15-RR

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

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: Transfected with Human IL22 CHO cells,
Recombinant protein

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

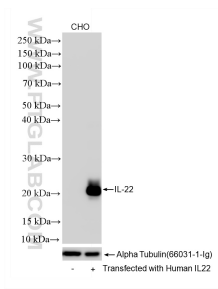
For technical support and original validation data for this product please contact:

T: 4006900926

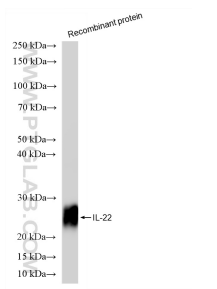
E: Proteintech-CN@ptglab.comW: ptgcn.com

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 82766-15-RR (IL22 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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.