

For Research Use Only

IL-22 Recombinant antibody

Catalog Number: 82766-15-RR



Basic Information

Catalog Number: 82766-15-RR	GenBank Accession Number: BC066263	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 50616	CloneNo.: 250428B5
Source: Rabbit	UNIPROT ID: Q9GZX6	Recommended Dilutions: WB: 1:2000-1:10000
Isotype: IgG	Full Name: interleukin 22	
Immunogen Catalog Number: HZ-1325	Observed MW: 20 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: human	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

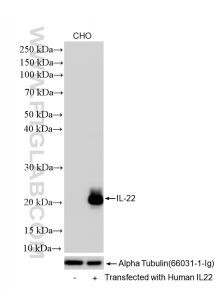
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

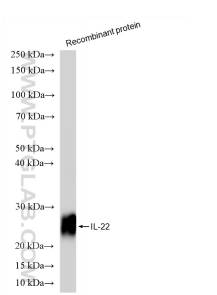
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



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.



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.