

IL22 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP14032c**Specification**

IL22 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [O9GZX6](#)**IL22 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 50616**Other Names**

Interleukin-22, IL-22, Cytokine Zcyto18, IL-10-related T-cell-derived-inducible factor, IL-TIF, IL22, ILTIF, ZCYTO18

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14032c was selected from the Center region of IL22. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

IL22 Antibody (Center) Blocking peptide - Protein Information**Name** IL22**Synonyms** ILTIF, ZCYTO18**Function**

Cytokine that plays a critical role in modulating tissue responses during inflammation (PubMed: [17204547](http://www.uniprot.org/citations/17204547)). Plays an essential role in the regeneration of epithelial cells to maintain barrier function after injury and for the prevention of further tissue damage (PubMed: [17204547](http://www.uniprot.org/citations/17204547)). Unlike most of the cytokines, has no effect on immune cells. Signals through a heterodimeric receptor composed of two subunits, the specific receptor IL22RA1 which is present on non-immune cells in many organs and the shared subunit IL10RB (PubMed: [10875937](http://www.uniprot.org/citations/10875937), PubMed: [18599299](http://www.uniprot.org/citations/18599299)). Ligand of

IL22RA1 with IL22 induces activation of the tyrosine kinases JAK1 and TYK2, which in turn activates STAT3. In turn, promotes cell survival and proliferation through STAT3, ERK1/2 and PI3K/AKT pathways (PubMed:25793261, PubMed:31311100). Promotes phosphorylation of GSK3B at 'Ser-9' and CTTN (By similarity). Promotes epithelial cell spreading (By similarity).

Cellular Location

Secreted.

IL22 Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

IL22 Antibody (Center) Blocking peptide - Images**IL22 Antibody (Center) Blocking peptide - Background**

Cytokine that contributes to the inflammatory response in vivo.

IL22 Antibody (Center) Blocking peptide - References

Meng, S., et al. J Mol Cell Biol 2(4):223-230(2010)Thompson, C.L., et al. Cancer Causes Control 21(8):1165-1170(2010)Lafdil, F., et al. Cell. Mol. Immunol. 7(4):250-254(2010)Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010)Davila, S., et al. Genes Immun. 11(3):232-238(2010)