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IL22RA1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP19114b

Specification

IL22RA1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q8N6P7

IL22RA1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 58985

Other Names
Interleukin-22 receptor subunit alpha-1, IL-22 receptor subunit alpha-1, IL-22R-alpha-1, IL-22RA1, Cytokine receptor class-II member 9, Cytokine receptor family 2 member 9, CRF2-9, ZcytoR11, IL22RA1, IL22R

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.

IL22RA1 Antibody (C-term) Blocking Peptide - Protein Information

Name IL22RA1

Synonyms IL22R

Function
Component of the receptor for IL20, IL22 and IL24. Component of IL22 receptor formed by IL22RA1 and IL10RB enabling IL22 signaling via JAK/STAT pathways. IL22 also induces activation of MAPK1/MAPK3 and Akt kinases pathways. Component of one of the receptor for IL20 and IL24 formed by IL22RA1 and IL20RB also signaling through STATs activation. Mediates IL24 antiangiogenic activity as well as IL24 inhibitory effect on endothelial cell tube formation and differentiation.

Cellular Location
Cell membrane; Single-pass type I membrane protein

Tissue Location
Expressed in colon, liver, lung, pancreas and kidney. No expression in immune cells such as monocytes, T-cells, and NK-cells. Expressed in keratinocytes of normal skin as well as in psoriatic skin lesion. Detected in normal blood brain barrier endothelial cells as well as in multiple sclerosis

lesions; Strongly expressed on central nervous system vessels within infiltrated multiple sclerosis lesions. Overexpressed in synovial fluid cells from rheumatoid arthritis and spondyloarthropathy patients

IL22RA1 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

IL22RA1 Antibody (C-term) Blocking Peptide - Images

IL22RA1 Antibody (C-term) Blocking Peptide - Background

The protein encoded by this gene belongs to the class IIcytokine receptor family, and has been shown to be a receptor forinterleukin 22 (IL22). IL22 receptor is a protein complex thatconsists of this protein and interleukin 10 receptor, beta(IL10BR/CRFB4), a subunit also shared by the receptor complex forinterleukin 10 (IL10). This gene and interleukin 28 receptor, alpha(IL28RA) form a cytokine receptor gene cluster in the chromosomalregion 1p36.

IL22RA1 Antibody (C-term) Blocking Peptide - References

Meng, S., et al. J Mol Cell Biol 2(4):223-230(2010)Davila, S., et al. Genes Immun. 11(3):232-238(2010)Tohyama, M., et al. Eur. J. Immunol. 39(10):2779-2788(2009)Dumoutier, L., et al. J. Biol. Chem. 284(39):26377-26384(2009)Zhu, H., et al. HBPD INT 8(4):402-406(2009)