IL22RA1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IL22RA1, Polyclonal Antibody
Full Product Name	IL22RA1, CT (IL22RA1, IL22R, Interleukin-22 receptor subunit alpha-1, Cytokine receptor class-II member 9, Cytokine receptor family 2 member 9, ZcytoR11) (MaxLight 750)
Product Gene Name	anti-IL22RA1 antibody
Product Synonym Names	IL22RA1; IL22R; Interleukin-22 receptor subunit alpha-1; Cytokine receptor class-II member 9; Cytokine receptor family 2 member 9; ZcytoR11
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	63,077 Da
OMIM	605457
3D Structure	ModBase 3D Structure for Q8N6P7
Immunogen	IL22RA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 408-436 amino acids from the C-terminal region of human IL22RA1.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-IL22RA1 antibody	Antibodies; Interleukin
Applications Tested/Suitable for anti-IL22RA1 antibody	Western Blot (WB), FLISA
Application Notes for anti-IL22RA1 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-IL22RA1 antibody	The protein encoded by this gene belongs to the class II cytokine receptor family, and has been shown to be a receptor for interleukin 22 (IL22). IL22 receptor is a protein complex that consists of this protein and interleukin 10 receptor, beta (IL10BR/CRFB4), a subunit also shared by the receptor complex for interleukin 10 (IL10). This gene and interleukin 28 receptor, alpha (IL28RA) form a cytokine receptor gene cluster in the chromosomal region 1p36.
Product References and Citations for anti-IL22RA1 antibody	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).

Other Notes	Small volumes of anti-IL22RA1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IL22RA1 purchase	MBS6310100 is an antibody targeting IL22RA1. Also known as IL22RA1, CT (IL22RA1, IL22R, Interleukin-22 receptor subunit alpha-1, Cytokine receptor class-II member 9, Cytokine receptor family 2 member 9, ZcytoR11) (MaxLight 750). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL22RA1. It may not necessarily be applicable to this product.

NCBI GI #	31317239
NCBI GeneID	58985
NCBI Accession #	NP_067081.2
UniProt Primary Accession #	Q8N6P7
UniProt Secondary Accession #	Q9HB22; A8K839; B2R9Y9
UniProt Related Accession #	Q8N6P7
GenBank Nucleotide #	NM_021258.3
NCBI Official Full Name	interleukin-22 receptor subunit alpha-1
NCBI Official Synonym Full Names	interleukin 22 receptor, alpha 1
NCBI Official Symbol	IL22RA1
NCBI Official Synonym Symbols	IL22R; CRF2-9; IL22R1
UniProt Protein Name	Interleukin-22 receptor subunit alpha-1
UniProt Synonym Protein Names	Cytokine receptor class-II member 9; Cytokine receptor family 2 member 9; CRF2-9; ZcytoR11
Protein Family	Interleukin-22 receptor
UniProt Gene Name	IL22RA1
UniProt Synonym Gene Names	IL22R; IL-22 receptor subunit alpha-1; IL-22R-alpha-1; IL-22RA1; CRF2-9
UniProt Entry Name	I22R1_HUMAN
NCBI Protein Information	interleukin-22 receptor subunit alpha-1; IL-22RA1; zcytoR11; IL-22R-alpha-1; IL-22 receptor subunit alpha-1; cytokine receptor class-II member 9; cytokine receptor family 2 member 9
UniProt Comments for IL22RA1	IL22RA1: 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. Belongs to the type II cytokine receptor family. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 1p36.11 Cellular Component: integral to membrane; plasma membrane Molecular Function: hematopoietin/interferon-class (D200-domain) cytokine receptor activity; interferon receptor activity; interleukin-20 binding Biological Process: cytokine and chemokine mediated signaling pathway; defense response to Gram-negative bacterium

Research Articles on IL22RA1	**1.** the CC genotype of rs3795299 polymorphism in the IL-22R1 gene is associated with the reduced risk of IgAN, and this genetic association was supported by the higher renal expression of IL-22R1 in healthy controls compared with patients with IgAN.
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