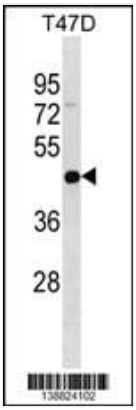
# IL22RA2 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | IL22RA2, Polyclonal Antibody |
| **Full Product Name** | IL22RA2 Antibody (N-term) |
| **Product Gene Name** | anti-IL22RA2 antibody |
| **Product Synonym Names** | Interleukin-22 receptor subunit alpha-2; IL-22 receptor subunit alpha-2; IL-22R-alpha-2; IL-22RA2; Cytokine receptor class-II member 10; Cytokine receptor family 2 member 10; CRF2-10; Cytokine receptor family type 2; soluble 1; CRF2-S1; Interleukin-22-binding protein; IL-22BP; IL22BP; ZcytoR16; IL22RA2 |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit Ig |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Purity/Purification** | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab) |
| **Concentration** | Vial Concentration: 0.5 (lot specific) |
| **Specificity** | This IL22RA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 15-42 amino acids from the N-terminal region of human IL22RA2. |
| **Preparation and Storage** | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |
| **Antibody/Peptide Pairs** | IL22RA2 peptide (MBS9223573) is used for blocking the activity of IL22RA2 antibody (MBS9209354) |
| **Molecular Weight** | 30550 |
| **Immunogen Sequence Positions** | 15-42 |
| **OMIM** | 606648 |
| **3D Structure** | ModBase 3D Structure for Q969J5 |
| **Antigen Type** | Synthetic Peptide |
| **Antigen Source** | HUMAN |
| **Product Categories/Family for anti-IL22RA2 antibody** | Immunology |
| **Applications Tested/Suitable for anti-IL22RA2 antibody** | Western Blot (WB), ELISA (EIA) |
| **Application Notes for anti-IL22RA2 antibody** | WB~~1:1000 |
| **Related Product Information for anti-IL22RA2 antibody** | The protein encoded by this gene is a soluble class II cytokine receptor. This protein has been shown to specifically bind to interleukin 22 (IL22), block the interaction of IL22 with its cell surface receptor, and thus inhibit IL22 activity. This protein functions as an IL22 antagonist, and may be important in the regulation of inflammatory response. Three alternatively spliced transcript variants encoding distinct isoforms have been described. |

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| **Product References and Citations for anti-IL22RA2 antibody** | Davila, S., et al. Genes Immun. 11(3):232-238(2010)<br>Kingo, K., et al. J. Dermatol. Sci. 57(1):71-73(2010)<br>Trynka, G., et al. Gut 58(8):1078-1083(2009)<br>Endam, L.M., et al. Otolaryngol Head Neck Surg 140(5):741-747(2009)<br>de Moura, P.R., et al. FEBS Lett. 583(7):1072-1077(2009) |
| **Other Notes** | Small volumes of anti-IL22RA2 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 IL22RA2 purchase** | MBS9209354 is an antibody targeting IL22RA2. Also known as IL22RA2 Antibody (N-term). Reactive in Human. Host: Rabbit. |




**Western Blot (WB) of anti-IL22RA2 antibody**
IL22RA2 Antibody (N-term) western blot analysis in T47D cell line lysates (35ug/lane).This demonstrates the IL22RA2 antibody detected the IL22RA2 protein (arrow).

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL22RA2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 16418459 |
| **NCBI GeneID** | 116379 |
| **NCBI Accession #** | NP_443194.1 |
| **NCBI Related Accession #** | NP_851826.1; NP_851827.1 |
| **UniProt Primary Accession #** | Q969J5 |
| **UniProt Secondary Accession #** | Q08AH7; Q6UWM1; Q96A41; Q96QR0 |
| **UniProt Related Accession #** | Q969J5 |
| **GenBank Nucleotide #** | NM_052962.2 |
| **NCBI Official Full Name** | interleukin-22 receptor subunit alpha-2 isoform 1 |
| **NCBI Official Synonym Full Names** | interleukin 22 receptor, alpha 2 |
| **NCBI Official Symbol** | IL22RA2 |
| **NCBI Official Synonym Symbols** | CRF2X; CRF2-10; CRF2-S1; IL-22BP; IL-22RA2; ZCYTOR16; IL-22R-alpha-2 |
| **UniProt Protein Name** | Interleukin-22 receptor subunit alpha-2 |
| **UniProt Synonym Protein Names** | Cytokine receptor class-II member 10; Cytokine receptor family 2 member 10; CRF2-10; Cytokine receptor family type 2, soluble 1; CRF2-S1; Interleukin-22-binding protein; IL-22BP; IL22BP; ZcytoR16 |
| **Protein Family** | Interleukin-22 receptor |
| **UniProt Gene Name** | IL22RA2 |

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| **UniProt Synonym Gene Names** | IL-22 receptor subunit alpha-2; IL-22R-alpha-2; IL-22RA2; CRF2-10; CRF2-S1; IL-22BP; IL22BP |
| **UniProt Entry Name** | I22R2_HUMAN |
| **NCBI Protein Information** | interleukin-22 receptor subunit alpha-2 |
| **NCBI Summary for IL22RA2** | This gene encodes a member of the class II cytokine receptor family. The encoded soluble protein specifically binds to and inhibits interleukin 22 activity by blocking the interaction of interleukin 22 with its cell surface receptor. The encoded protein may be important in the regulation of inflammatory response, and has been implicated in the regulation of tumorigenesis in the colon. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2013] |
| **UniProt Comments for IL22RA2** | IL22RA2: Isoform 2 is a receptor for IL22. Binds to IL22, prevents interaction with the functional IL-22R complex and blocks the activity of IL22 (in vitro). May play an important role as an IL22 antagonist in the regulation of inflammatory responses. Belongs to the type II cytokine receptor family. 3 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: Secreted; Secreted, signal peptide<br><br>Chromosomal Location of Human Ortholog: 6q23.3<br><br>Cellular Component: extracellular space; integral to membrane; plasma membrane; cytosol<br><br>Molecular Function: interleukin-22 binding; interleukin-22 receptor activity<br><br>Biological Process: regulation of tyrosine phosphorylation of Stat3 protein; cytokine and chemokine mediated signaling pathway; negative regulation of inflammatory response |
| **Research Articles on IL22RA2** | **1.** Through a combined approach including genetic and immunological investigation in an animal model and large-scale association studies of patients with multiple sclerosis (MS), IL-22RA2 is established as an MS risk gene. |
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