



# I22R1 Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | BYab-06792                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Reactivity</b>         | Human;Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Applications</b>       | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>          | IL22RA1 IL22R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Name</b>       | 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)                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | Synthesized peptide derived from part region of human protein                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Specificity</b>        | I22R1 Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Dilution</b>           | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Observed Band</b>      | 63kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cell Pathway</b>       | Membrane; Single-pass type I membrane protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Tissue Specificity</b> | 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. |
| <b>Function</b>           | 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                                                                                                                                       |

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antiangiogenic activity as well as IL24 inhibitory effect on endothelial cell tube formation and differentiation.,induction:By interferon-gamma in keratinocytes.,miscellaneous:Failure of medical and surgical therapy in Chronic rhinosinusitis with nasal polyps is associated with decreased expression of IL22RA1.,similarity:Belongs to the type II cytokine receptor family.,similarity:Contains 2 fibronectin type-III domains.,subunit:Heterodimer with IL10RB and with IL20RB. IL22 binding to heterodimer is greater than binding to IL22

**Background**

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. [provided by RefSeq, Jul 2008],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images

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