



# IL-18R Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | BYab-29829                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Reactivity</b>         | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Applications</b>       | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Gene Name</b>          | IL18R1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Name</b>       | Interleukin-18 receptor 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from the Internal region of human IL18R1. AA range:231-280                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Specificity</b>        | IL-18R Polyclonal Antibody detects endogenous levels of IL-18R protein.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA 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>           | Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>           | IL18R1; IL1RRP; Interleukin-18 receptor 1; IL-18R-1; IL-18R1; CD218 antigen-like family member A; CDw218a; IL1 receptor-related protein; IL-1Rrp; IL1R-rp; CD218a                                                                                                                                                                                                                                                                                                                                         |
| <b>Observed Band</b>      | 63kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Cell Pathway</b>       | Membrane ; Single-pass type I membrane protein .                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Tissue Specificity</b> | Highly expressed in leukocytes, spleen, lung. Also expressed, but at lower levels, in liver, small intestine, colon, prostate, thymus, placenta, and heart. Specifically coexpressed with IL18R1 in Th1 cells (PubMed:10925275, PubMed:11046021, PubMed:10653850).                                                                                                                                                                                                                                        |
| <b>Function</b>           | function:Receptor for interleukin 18 (IL-18). Binding to the agonist leads to the activation of NF-kappa-B.,miscellaneous:Does not bind interleukin 1 alpha (IL-1A) or interleukin 1 beta (IL-1B).,similarity:Belongs to the interleukin-1 receptor family.,similarity:Contains 1 TIR domain.,similarity:Contains 3 Ig-like C2-type (immunoglobulin-like) domains.,tissue specificity:Expressed in lung, leukocytes, spleen, liver, thymus, prostate, small intestine, colon, placenta, and heart, and is |

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absent from brain, skeletal muscle, pancreas, and kidney. High level of expression in Hodgkin's disease cell lines.,

## Background

The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This receptor specifically binds interleukin 18 (IL18), and is essential for IL18 mediated signal transduction. IFN-alpha and IL12 are reported to induce the expression of this receptor in NK and T cells. This gene along with four other members of the interleukin 1 receptor family, including IL1R2, IL1R1, ILRL2 (IL-1Rrp2), and IL1RL1 (T1/ST2), form a gene cluster on chromosome 2q. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013],

## matters needing attention

Avoid repeated freezing and thawing!

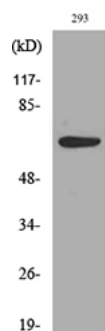
## Usage suggestions

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

## Products Images



Western Blot analysis of 293 cells using IL-18R Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysate from 293 cells, using IL18R1 Antibody.

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