

# Anti-CRLF2 Picoband Antibody

Catalog # ABO10301

## Product Information

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|--------------------------|------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, E                                                                                    |
| <b>Primary Accession</b> | <a href="#">A04167-1</a>                                                                 |
| <b>Host</b>              | Rabbit                                                                                   |
| <b>Reactivity</b>        | Human                                                                                    |
| <b>Clonality</b>         | Polyclonal                                                                               |
| <b>Format</b>            | Lyophilized                                                                              |
| <b>Description</b>       | Rabbit IgG polyclonal antibody for CRLF2 detection. Tested with WB, ELISA(Cap) in Human. |

**Reconstitution** Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

## Additional Information

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| <b>Application Details</b>      | Western blot, 0.1-0.5 µg/ml<br>ELISA(Cap), 0.1-0.5 µg/ml                                                                                                                              |
| <b>Subcellular Localization</b> | Isoform 1: Cell membrane ; Single-pass type I membrane protein.                                                                                                                       |
| <b>Tissue Specificity</b>       | Expressed in heart, skeletal muscle, kidney and adult and fetal liver.<br>Primarily expressed in dendrites and monocytes. Weakly expressed in T-cells.                                |
| <b>Contents</b>                 | Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> .                                                                      |
| <b>Immunogen</b>                | E. coli-derived human CRLF2 recombinant protein (Position: A26-K231).                                                                                                                 |
| <b>Cross Reactivity</b>         | No cross reactivity with other proteins.                                                                                                                                              |
| <b>Storage</b>                  | At -20 °C; for one year. After reconstitution, at 4 °C; for one month. It can also be aliquotted and stored frozen at -20 °C; for a longer time. Avoid repeated freezing and thawing. |

## Protein Information

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### Background

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Cytokine receptor-like factor 2 is a protein that in humans is encoded by the CRLF2 gene. This gene encodes a member of the type I cytokine receptor family. The encoded protein is a receptor for thymic stromal lymphopoietin (TSLP). Together with the interleukin 7 receptor (IL7R), the encoded protein and TSLP activate STAT3, STAT5, and JAK2 pathways, which control processes such as cell proliferation and development of the hematopoietic system. Rearrangement of this gene with immunoglobulin heavy chain gene (IGH) on

chromosome 14, or with P2Y purinoceptor 8 gene (P2RY8) on the same X or Y chromosomes is associated with B-progenitor acute lymphoblastic leukemia (ALL) and Down syndrome ALL. Alternatively spliced transcript variants have been found for this gene.

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