

# Anti-IL23 Receptor Picoband Antibody

Catalog # ABO12865

## Product Information

---

|                          |                                                                                                      |
|--------------------------|------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, E                                                                                                |
| <b>Primary Accession</b> | <a href="#">IL23r: Q8K4B4</a>                                                                        |
| <b>Host</b>              | Rabbit                                                                                               |
| <b>Reactivity</b>        | Mouse, Rat                                                                                           |
| <b>Clonality</b>         | Polyclonal                                                                                           |
| <b>Format</b>            | Lyophilized                                                                                          |
| <b>Description</b>       | Rabbit IgG polyclonal antibody for IL23 Receptor detection. Tested with WB, ELISA(Cap) in Mouse;Rat. |
| <b>Reconstitution</b>    | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                 |

## Additional Information

---

|                                 |                                                                                                                                                                                    |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application Details</b>      | Western blot, 0.1-0.5 µg/ml<br><br>ELISA(Cap), 0.1-0.5 µg/ml                                                                                                                       |
| <b>Subcellular Localization</b> | Cell membrane ; Single-pass type I membrane protein .                                                                                                                              |
| <b>Tissue Specificity</b>       | Expressed by Th1, Th2 and dendritic cells.                                                                                                                                         |
| <b>Contents</b>                 | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.                                                                                                                |
| <b>Immunogen</b>                | E. coli-derived mouse IL23 Receptor recombinant protein (Position: I25-D233).                                                                                                      |
| <b>Purification</b>             | Immunogen affinity purified.                                                                                                                                                       |
| <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

---

### Background

---

Interleukin 23 receptor is a type I cytokine receptor. IL23R is its human gene. The protein encoded by this gene is a subunit of the receptor for IL23A/IL23. This protein pairs with the receptor molecule IL12RB1/IL12Rbeta1, and both are required for IL23A signaling. This protein associates constitutively with Janus kinase 2 (JAK2), and also binds to transcription activator STAT3 in a ligand-dependent manner.

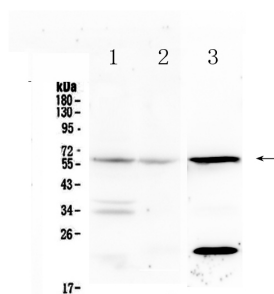


Figure 1. Western blot analysis of IL23 Receptor using anti-IL23 Receptor antibody (ABO12865). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: mouse brain tissue lysates, Lane 2: mouse liver tissue lysates, Lane 3: mouse kidney tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-IL23 Receptor antigen affinity purified polyclonal antibody (Catalog # ABO12865) at 0.5 ug/mL overnight at 4 °C then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for IL23 Receptor at approximately 58KD. The expected band size for IL23 Receptor is at 72KD.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.