SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-IL-23R antibody

Catalog Number: SL22608R

FOR RESEARCH USE ONLY

[DATASHEET]

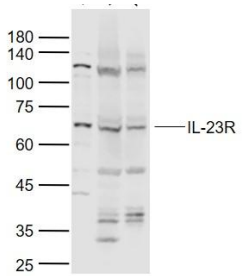
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	IL-23R
Immunogen:	KLH conjugated synthetic peptide derived from human IL-23R : 231-330/629 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, (predicted: Rat)
Predicted MW.:	67kDa
Subcellular Location:	The cell membrane
Background:	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. **Function:** Associates with IL12RB1 to form the interleukin-23 receptor. Binds IL23 and mediates T-cells, NK cells and possibly certain macrophage/myeloid cells stimulation probably through activation of the Jak-Stat signaling cascade. IL23 functions in innate and adaptive immunity and may participate in acute response to infection in peripheral tissues. IL23 may be responsible for autoimmune inflammatory diseases and be important for tumorigenesis. **Subunit :** Heterodimer with IL12RB1. In presence of IL23, the heterodimer forms the IL23 receptor. Interacts with JAK2 and in presence of IL23 with STAT3.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Subcellular Location: Cell membrane; Single-pass type I membrane protein. **Tissue Specificity:** Expressed by monocytes, Th1, Th0, NK and dendritic cells. Isoform 1 is specifically expressed in NK cells. **Post-translational modifications:** Phosphorylated in response to IL23. DISEASE: Genetic variations in IL23R are associated with inflammatory bowel disease type 17 (IBD17) [MIM:612261]. IBD17 is a chronic, relapsing inflammation of the gastrointestinal tract with a complex etiology. It is subdivided into Crohn disease and ulcerative colitis phenotypes. Crohn disease may affect any part of the gastrointestinal tract from the mouth to the anus, but most frequently it involves the terminal ileum and colon. Bowel inflammation is transmural and discontinuous; it may contain granulomas or be associated with intestinal or perianal fistulas. In contrast, in ulcerative colitis, the inflammation is continuous and limited to rectal and colonic mucosal layers; fistulas and granulomas are not observed. Both diseases include extraintestinal inflammation of the skin, eyes, or joints. **Similarity:** Belongs to the type I cytokine receptor family. Type 2 subfamily. Contains 2 fibronectin type-III domains. **Database links:** **Entrez Gene:** 149233 Human **Entrez Gene:** 209590 Mouse Omim: 607562 Human **SwissProt:** Q5VWK5 Human **SwissProt:** Q8K4B4 Mouse **Unigene:** 677426 Human **Unigene:** 221227 Mouse

[VALIDATION IMAGES]



Sample:
Lane 1: K562 (Human) Cell Lysate at 30 ug
Lane 2: A431 (Human) Cell Lysate at 30 ug
Lane 3: HL60 (Human) Cell Lysate at 30 ug
Primary: Anti-IL-23R (SL22608R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

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Predicted band size: 65-75 kD
Observed band size: 65 kD

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