

IL23R Rabbit pAb

CatalogNo: YN2207

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 69kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000**ELISA 1:5000-20000**

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from part region of human protein

Specificity

IL23R Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name

IL23R

Protein Name	Interleukin-23 receptor (IL-23 receptor) (IL-23R)		
	Organism	Gene ID	UniProt ID
	Human	149233 ;	Q5VWK5 ;
	Mouse		Q8K4B4 ;
Cellular Localization	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.		
Function	Disease:Genetic variation in IL23R is associated with inflammatory bowel disease type 17 (IBD17) [MIM:612261]. Inflammatory bowel disease (IBD) is a form of remitting Crohn disease (CD). CD may involve any part of the gastrointestinal tract, but most frequently the terminal ileum and colon. Bowel inflammation is transmural and discontinuous. CD is commonly classified as an autoimmune disease.,Disease:Genetic variation in IL23R is associated with susceptibility to psoriasis [MIM:177900]. Psoriasis is a chronic inflammatory dermatosis that affects approximately 2% of the population. It is characterized by red, scaly skin lesions that are usually found on the scalp, elbows and knees, and may be associated with severe arthritis. The lesions are caused by hyperproliferative keratinocytes and infiltration of inflammatory cells into the dermis and epidermis. The usual age of onset of psoriasis is between 15 and 30 years, although it can present at any age.,Disease:Genetic variation in IL23R is associated with susceptibility to ulcerative colitis [MIM:191390]. It is a chronic inflammatory bowel disease. In ulcerative colitis, the inflammation is continuous and limited to rectal and colonic mucosal layers. Ulcerative colitis is commonly classified as autoimmune disease.,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.,PTM:Phosphorylated in response to IL23.,similarity:Belongs to the type I cytokine receptor family. Type 2 subfamily.,similarity:Contains 2 fibronectin type-III domains.,subunit:Heterodimer with IL12RB1. In presence of IL23, the heterodimer forms the IL23 receptor. Interacts with JAK2 and in presence of IL23 with STAT3.,tissue specificity:Expressed by monocytes, Th1, Th0, NK and dendritic cells. Isoform 1 is specifically expressed in NK cells.,		

Validation Data

Contact information

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