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IL23R Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17012b

Product Information

Application	WB, E
Primary Accession	Q5VWK5
Other Accession	NP_653302.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36765
Calculated MW	71722
Antigen Region	428-457

Additional Information

Gene ID	149233
Other Names	Interleukin-23 receptor, IL-23 receptor, IL-23R, IL23R
Target/Specificity	This IL23R antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 428-457 amino acids from the C-terminal region of human IL23R.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	IL23R Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	IL23R
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.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed by monocytes, Th1, Th0, NK and dendritic cells. Isoform 1 is specifically expressed in NK cells

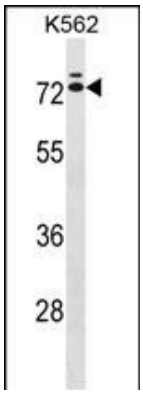
Background

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.

References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Chen, J., et al. Mol. Carcinog. 49(10):862-868(2010)
Mizuki, N., et al. Nat. Genet. 42(8):703-706(2010)
Remmers, E.F., et al. Nat. Genet. 42(8):698-702(2010)
Elmaagacli, A.H., et al. Bone Marrow Transplant. (2010) In press :

Images



IL23R Antibody (C-term) (Cat. #AP17012b) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the IL23R antibody detected the IL23R protein (arrow).

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