10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

IL27RA Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20662c

Product Information

Application	WB, E
Primary Accession	Q6UWB1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30673
Calculated MW	69474

Additional Information

Gene ID	9466
Other Names	Interleukin-27 receptor subunit alpha, IL-27 receptor subunit alpha, IL-27R subunit alpha, IL-27R-alpha, IL-27RA, Cytokine receptor WSX-1, Cytokine receptor-like 1, Type I T-cell cytokine receptor, TCCR, ZcytoR1, IL27RA, CRL1, TCCR, WSX1
Target/Specificity	This IL27RA antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 569-602 amino acids from the C-terminal region of human IL27RA.
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	IL27RA Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	IL27RA (HGNC:17290)
Synonyms	CRL1, TCCR, WSX1
Function	Signal-transducing subunit for an heterodimeric cytokine composed of

	IL27/p28 and a soluble receptor EBI3 (PubMed:14764690, PubMed:36930708). Heterodimerizes with IL6ST/GP130 to mediate signal transduction in response to the heterodimeric cytokine IL27/p28-EBI3. This signaling system acts through STAT3 and STAT1 (PubMed:14764690, PubMed:38509369). Also acts as a signaling receptor as part of the humanin receptor complex; binding of MT-RNR2/humanin (HN) activates the intracellular JAK-STAT3 signaling pathway leading to neuroprotection (PubMed:19386761). Involved in the regulation of Th1-type immune responses (By similarity). Also appears to be involved in innate defense mechanisms (PubMed:14764690).
Cellular Location	Membrane; Single-pass type I membrane protein.
Tissue Location	Highly expressed in lymphoid tissues such as spleen, lymph nodes and peripheral blood leukocytes. Weakly expressed in other tissues examined including heart, brain, fetal and adult lung, liver, skeletal muscle, kidney, pancreas, prostate, testis, ovary, small intestine, kidney and colon. In the lymphoid system, higher level expression in CD4+ T-cell subsets than in CD8+ T-cell subsets. Also weaker expression in CD19+ B-cells and monocytes

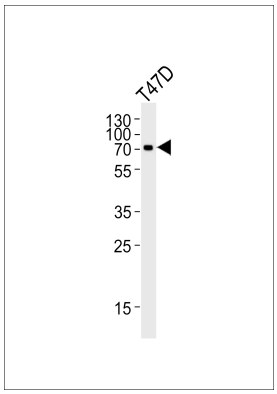
Background

Receptor for IL27. Requires IL6ST/gp130 to mediate signal transduction in response to IL27. This signaling system acts through STAT3 and STAT1. Involved in the regulation of Th1- type immune responses. Also appears to be involved in innate defense mechanisms.

References

Sprecher C.A.,et al.Biochem. Biophys. Res. Commun. 246:82-90(1998).
Zhang W.,et al.Submitted (NOV-1998) to the EMBL/GenBank/DDBJ databases.
Chen Q.,et al.Nature 407:916-920(2000).
Livingston R.J.,et al.Submitted (OCT-2006) to the EMBL/GenBank/DDBJ databases.
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).

Images



Western blot analysis of lysate from T47D cell line, using IL27RA Antibody (C-term)(Cat. #AP20662c). AP20662c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

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