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Anti-IL-27RA Antibody

Catalog # AP51930

Product Information

Application	WB
Primary Accession	Q6UWB1
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	69474

Additional Information

Gene ID	9466
Other Names	CRL1; TCCR; WSX1; 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
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human IL-27RA. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

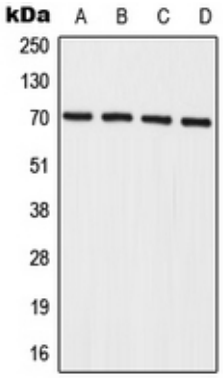
Name	IL27RA (HGNC:17290)
Synonyms	CRL1, TCCR, WSX1
Function	Signal-transducing subunit for an heterodimeric cytokine composed of IL27/p28 and a soluble receptor EBI3 (PubMed:14764690, PubMed:36930708). Heterodimerizes with IL6ST/GP130 to mediate signal transduction in response to the heterodimeric cytokine 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

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 IL-27RA expression in A549 (A), HeLa (B), mouse spleen (C), rat spleen (D) whole cell lysates. (Predicted band size: 69 kD; Observed band size: 75 kD)

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