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**Product Name: Ebi3 Rabbit Polyclonal Antibody****Catalog #: APRab10273**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	25kDa

**Antigen Information**

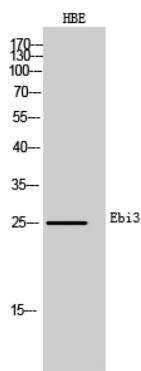
<b>Gene Name</b>	EBI3
<b>Alternative Names</b>	EBI3; IL27B; Interleukin-27 subunit beta; IL-27 subunit beta; IL-27B; Epstein-Barr virus-induced gene 3 protein; EBV-induced gene 3 protein
<b>Gene ID</b>	10148.0
<b>SwissProt ID</b>	Q14213
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human EBI3. AA range:101-150

**Background**

This gene was identified by its induced expression in B lymphocytes in response Epstein-Barr virus infection. It encodes a secreted glycoprotein belonging to the hematopoietin receptor family, and heterodimerizes with a 28 kDa protein to form interleukin 27 (IL-27). IL-27 regulates T cell and inflammatory responses, in part by activating the Jak/STAT pathway of CD4+ T cells. [provided by RefSeq, Sep 2008],function:Cytokine with pro- and anti-inflammatory properties, that can regulate T helper cell development, suppress T-cell proliferation, stimulate cytotoxic T cell activity, induce isotype switching in B-cells, and that has diverse effects on innate immune cells. Among its target cells are CD4 T helper cells which can differentiate in type 1 effector cells (TH1), type 2 effector cells (TH2) and IL17 producing helper T-cells (TH17). It drives rapid clonal expansion of naive but not memory CD4 T-cells. It also strongly synergizes with IL-12 to trigger interferon-gamma/IFN-gamma production of naive CD4 T-cells, binds to the cytokine receptor WSX-1/TCCR. Another important role of IL27 is its antitumor activity as well as its antiangiogenic activity with activation of production of antiangiogenic chemokines.,induction:By EBV.,online information:Interleukin-27 entry,similarity:Belongs to the type I cytokine receptor family. Type 3 subfamily.,similarity:Contains 2 fibronectin type-III domains.,subunit:Heterodimer with IL27. IL-27 is an heterodimer composed IL27 and EBI3. EBI3 is also a component of the IL-12 heterodimer. Interacts with SQSTM1.,

## Research Area

## Image Data



Western Blot analysis of HBE cells using Ebi3 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000