

Rabbit EBI3 Polyclonal Antibody | anti-EBI3 antibody

EBI3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301296	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

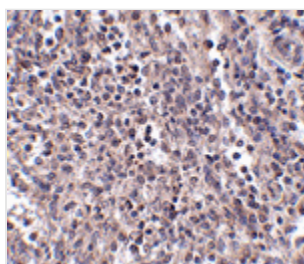
PRODUCT SYNONYMS

EBI3; Polyclonal Antibody; EBI3 Antibody; Epstein-Barr virus induced 3 precursor; interleukin-27 subunit beta; IL-27B; anti-EBI3 antibody

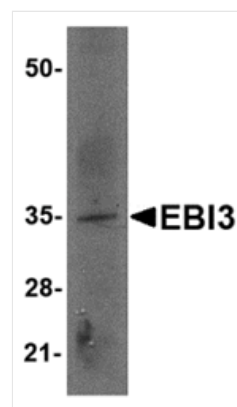
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	229
Applicable Applications for anti-EBI3 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the center of human EBI3.
Target Name	EBI3
Preparation and Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of EBI3 in human spleen tissue with EBI3 antibody at 2.5 ug/mL.



WB (Western Blot)
Western blot analysis of EBI3 in rat spleen tissue lysate with EBI3 antibody at 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-EBI3 antibody	EBI3 is a subunit in two distinct heterodimeric cytokines: interleukin-27 (IL-27) and IL-35. Like interleukin-23 (IL-23), IL-27 is a recently discovered member of the IL-6/IL-12 family of proinflammatory and immunoregulatory cytokines. It exists as a heterodimer composed of the p40-related protein EBI3 and an IL-12 p35-related protein termed p28. IL-27 is produced after activation by antigen-presenting cells and induces proliferation of na ve but not memory CD4+ T-cells. It acts by binding to its receptor WSX-1 (also known as TCCR) and gp130 which results in the activation of a Jak/STAT signaling cascade, suggesting the IL-27 is involved in the regulation of immune processes. It has been suggested that IL-27 can also be used as a therapeutic agent against cancer as it can also induce tumor-specific anti-tumor activity mediated through CD8+ T-cells, IFN-gamma, and T-bet. IL-35 is composed of EBI3 and the p35 subunit of IL-12 and has been reported to have therapeutic effects against collagen-induced arthritis by expanding the population of regulatory T cells and suppressing Th17 cells. At least two isoform of EBI3 are known to exist.
Product Categories/Family for anti-EBI3 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	14577917
NCBI GeneID	10148
NCBI Accession #	NP_005746
NCBI GenBank Nucleotide #	NM_005755.2
Molecular Weight	25,396 Da
NCBI Official Full Name	interleukin-27 subunit beta
NCBI Official Synonym Full Names	Epstein-Barr virus induced 3
NCBI Official Symbol	EBI3
NCBI Official Synonym Symbols	IL27B; IL-27B
NCBI Protein Information	interleukin-27 subunit beta
UniProt Protein Name	Interleukin-27 subunit beta
UniProt Gene Name	EBI3
UniProt Synonym Gene Names	IL27B; IL-27 subunit beta; IL-27B; EBV-induced gene 3 protein
UniProt Entry Name	IL27B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.