

Rabbit anti-Human, Mouse EBI3 Polyclonal Antibody | anti-EBI3 antibody

EBI3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39458	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

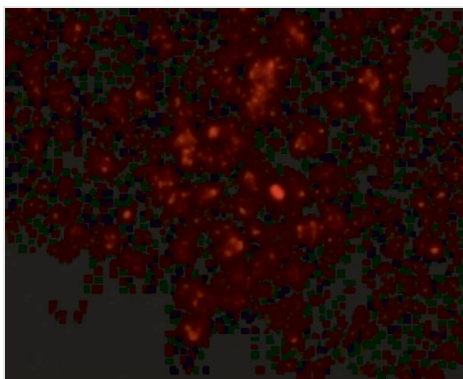
PRODUCT SYNONYMS

EBI3; Polyclonal Antibody; EBI3 Antibody; IL27B; IL-27B; Interleukin-27 subunit beta; Epstein-Barr virus-induced gene 3 protein; IL-27 subunit beta; Epstein-Barr virus induced 3; anti-EBI3 antibody

PRODUCT SPECIFICATIONS

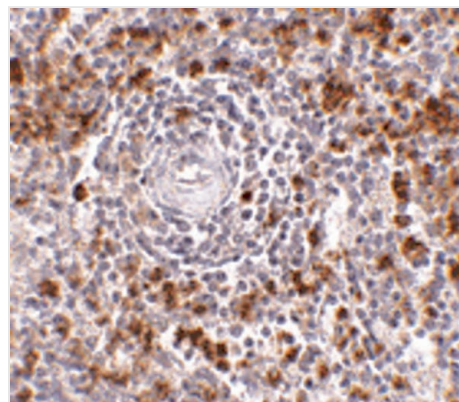
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	EBI3 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	229
Applicable Applications for anti-EBI3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	EBI3 antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human EBI3.
Buffer	EBI3 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	EBI3 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to 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



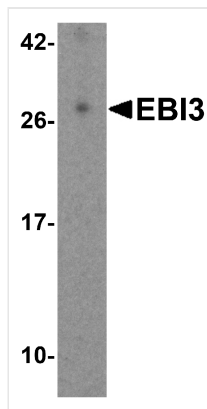
IF (Immunofluorescence)

Immunofluorescence of EBI3 in Human Spleen cells with EBI3 antibody at 20 μg/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of EBI3 in human spleen tissue with EBI3 antibody at 2.5 μg/mL.



WB (Western Blot)
 Western blot analysis of EBI3 in human tonsil tissue lysate with EBI3 antibody at 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-EBI3 antibody	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 naïve 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14577917
NCBI GeneID	10148
NCBI Accession #	NP_005746
NCBI GenBank Nucleotide #	NM_005755.2
UniProt Accession #	Q14213; O75269; A0N0N2
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; IL27 subunit; IL35 subunit; cytokine receptor; IL-27 subunit beta; EBV-induced gene 3 protein; Epstein-Barr virus induced gene 3; epstein-Barr virus-induced gene 3 protein
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ebi3-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39458>