

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

EBI3 Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                              |
|-----------|--------|--------------|-------------------------------------------|
| AAA301438 | Rabbit | Human, Mouse | Immunohistochemistry, Western Blot, ELISA |

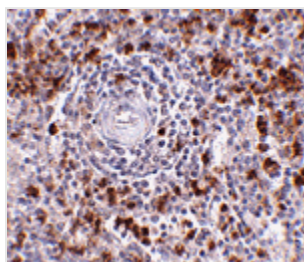
### PRODUCT SYNONYMS

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

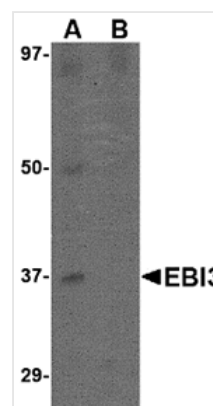
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                 |
| Reactivity                                     | Human, Mouse                                                                                                                                                                                           |
| Clonality                                      | Polyclonal                                                                                                                                                                                             |
| Purity/Purification                            | Affinity chromatography purified via peptide column                                                                                                                                                    |
| Form/Format                                    | Supplied in PBS containing 0.02% sodium azide.                                                                                                                                                         |
| 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 carboxy terminus of human EBI3.                                                                                                                   |
| Target Name                                    | EBI3                                                                                                                                                                                                   |
| Preparation and Storage                        | Can be stored at -20 degree 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 K562 lysate with EBI3 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.

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.