

EBI3 Polyclonal Antibody

Catalog NumberPA5-23228

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody	Western Blot (WB)	2-6 µg/mL
Immunogen	Synthetic peptide (73 RGHSWPCLQQTPTSTSC 89) of EBI3 protein.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5 mg/mL		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Background/Target Information

EBI3 (Epstein-Barr virus Induced-3) is a secreted glycoprotein of the hematopoietin receptor family. It plays a critical regulatory role in the induction of Th2-type immune responses and the development of Th2-mediated tissue inflammation in vivo, which may be mediated through the control of iNKT cell function. EBI3 dimerizes with p28 and p35 subunits of IL-12 to form new proteins IL-27 and IL-35, respectively. IL-27 is an early product of activated antigen presenting cell that is produced upon TLR ligation. It negatively regulates Th17 cell differentiation. EBI3 is widely expressed and its expression in dendritic cell is transcriptionally regulated by TLR signaling via MyD88 and NF-kappaB during innate immune responses preceding cytokine driven Th cell development. EBI3 signal inhibits delayed-type hypersensitivity responses by suppressing IL-17 production and inducing IL-10 hyperproduction. EBI3 may play a novel role in controlling tumor metastasis via lung CD8+ T cells, and its deficiency is associated with a diminished production of Th2 cytokines which are known to regulate allergic airway inflammation in asthma. Targeted deletion of EBI3 protects mice from lung metastasis.

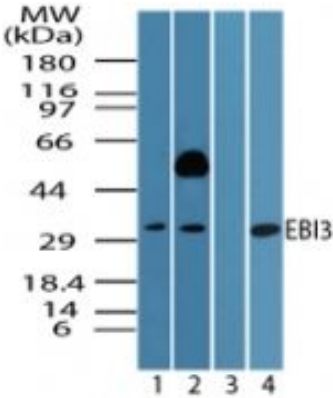
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Product Images For EBI3 Polyclonal Antibody



EBI3 Antibody (PA5-23228) in WB

Western blot analysis of EBI3 in 1) Daudi cell lysate using 2.0 µg/mL, 2) Ramos cell lysate at 2.0 µg/mL in the absence of immunizing peptide3) Ramos cell lysate at 2.0 µg/mL in the presence of immunizing peptide and 4) RAW cell lysateat 5.0 µg/mL using a EBI3 polyclonal antibody (Product # PA5-23228)

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