

IL-32 Polyclonal Antibody

Catalog NumberPA5-20222

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	Dilution *2.5-5 µg/mL
Type	Antibody	* 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.	
Immunogen	A 16 amino acid peptide from near the center of human IL-32.		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

Product specific information

A suggested positive control is Jurkat cell lysate. PA5-20222 can be used with blocking peptide PEP-0335.

Background/Target Information

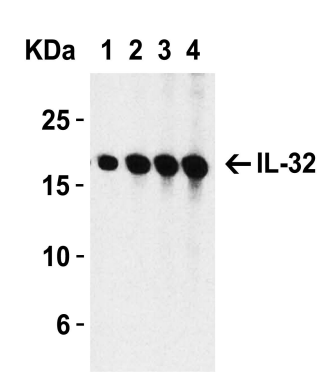
Interleukin-32 (IL-32) was initially identified as a transcript (NK4) that is selectively expressed in lymphocytes and NK cells and whose expression is increased following activation by IL-2. It was later re-isolated from an IL-18-treated lung carcinoma cell line and re-named IL-32. IL-32 is unusual in that it does not share sequence homology with known cytokine families and is highly expressed in immune tissues, existing in at least four differentially spliced isoforms. Because treatment of human monocytic and mouse macrophage cells with IL-32 induces several proinflammatory cytokines such as TNF-α, IL-8 and MIP-2, and because it is also induced in human peripheral lymphocyte cells after mitogen stimulation and in epithelial cells by IFN-γ, it has been suggested that IL-32 may play a role in autoimmune and inflammatory diseases such as rheumatoid arthritis.

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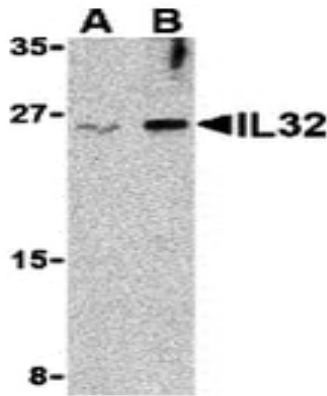
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IL-32 Antibody (PA5-20222) in WB
Western Blot Validation with Recombinant Protein. Loading: 30 ng of human IL-32 recombinant protein per lane. Antibodies: IL-32 Polyclonal Antibody (Product # PA5-20222) (Lane 1: 0.5 µg/mL, Lane 2: 1 µg/mL, Lane 3: 2 µg/mL, and Lane 4: 4 µg/mL), 1h incubation at RT in 0.05 NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10,000 dilution. Observed at around 17 kDa.



IL-32 Antibody (PA5-20222) in WB
Western Blot Validation in Jurkat Cell Lysate. Loading: 15 µg of lysates per lane. Antibodies: IL-32 Polyclonal Antibody (Product # PA5-20222) (A: 2.5 µg/mL and B: 5 µg/mL), 1h incubation at RT in 0.05 NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10,000 dilution.

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