

Datasheet: VPA00596

Description:	RABBIT ANTI INTERLEUKIN-21
Specificity:	IL-21
Format:	Purified
Product Type:	PrecisionAb™ Polyclonal
Isotype:	Polyclonal IgG
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	■			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Rabbit polyclonal antibody purified by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 2% Sucrose
Immunogen	Synthetic peptide directed towards the C-terminal region of Human interleukin-21
External Database Links	UniProt: Q9HBE4 Related reagents Entrez Gene: 59067 IL21 Related reagents
Specificity	Rabbit anti Human interleukin-21 antibody recognizes interleukin-21 (IL-21), also known as Za11. IL-21 is a 133 amino acid ~ 17 kDa immunoregulatory cytokine.

The IL21 gene encodes a member of the common-gamma chain family of cytokines with immunoregulatory activity. The encoded protein plays a role in both the innate and adaptive immune responses by inducing the differentiation, proliferation and activity of multiple target cells including macrophages, natural killer cells, B cells and cytotoxic T cells. Dysregulation of IL21 plays a role in multiple immune-mediated diseases including lupus, psoriasis and chronic inflammatory diseases. Mutation of the IL21 gene causes Immunodeficiency, common variable, 11 ([CVID11](#)), a condition characterized by antibody and the inability to mount an antibody response to antigen leading to recurrent bacterial infections ([Salzar et al. 2014](#)). Alternatively spliced transcript variants encoding multiple isoforms have been observed for IL21 (provided by RefSeq, Dec 2011).

Rabbit anti Human interleukin-21 antibody detects a band of 17 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Anti interleukin-21 detects a band of approximately 17 kDa in NIH/3T3 cell lysates
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
Shelf Life	As supplied, 12 months from date of despatch
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories
Health And Safety Information	Material Safety Datasheet documentation #10045 available at: Antibody (10045): https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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