



# Rabbit Anti-Cynomolgus IL18RAP Polyclonal Antibody (CABT-NS1724)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Cynomolgus IL18RAP
<b>Target</b>	IL18RAP
<b>Immunogen</b>	Recombinant Cynomolgus IL18RAP protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Cynomolgus
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	<p>ELISA</p> <p>Recommended dilution:</p> <p>ELISA: 0.1-0.2 µg/mL.</p> <p>This antibody can be used at 0.1-0.2 µg/mL with the appropriate secondary reagents to detect Cynomolgus IL18RAP.</p> <p>The detection limit for Cynomolgus IL18RAP is &lt; 0.039 ng/well.</p> <p>Each laboratory should determine an optimum working titer for use in its particular application.</p> <p>Other applications have not been tested but use in such assays should not necessarily be excluded.</p>
<b>Format</b>	Liquid, Purified
<b>Size</b>	50 µl, 100 µl, 200 µl
<b>Buffer</b>	0.2 µm filtered solution in PBS
<b>Preservative</b>	None

**Storage**

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

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## BACKGROUND

**Introduction**

Interleukin 18 receptor accessory protein, also known as IL18RAP and CDw218b (cluster of differentiation w218b), is an accessory subunit of the heterodimeric receptor for IL18. This protein enhances the IL18 binding activity of IL18R1 (IL1RRP), a ligand binding subunit of IL18 receptor. The coexpression of IL18R1 and this protein is required for the activation of NF-kappaB and MAPK8 (JNK) in response to IL18. IL18RAP is required for the high affinity binding of interleukin 18 (IL-18) to its receptor complex. IL18RAP together with IL18R1 mediates IL-18-dependent activation of NF-kappa-B and JNK. Two putative isoforms of IL18RAP were detected and the ratios and total levels of these isoforms may contribute to the aetiology of coeliac disease. IL18R1 and IL18RAP polymorphisms have been found associated with diseases such as schizophrenia, HSV1 seropositivity and atopic asthma. Analysis of IL18R1 and IL18RAP SNPs in 5 European prospective cohorts suggests that the variability of these genes are unlikely to contribute to modulate the risk of CVD in European populations.

**Keywords**

IL18RAP; interleukin 18 receptor accessory protein; ACPL; CD218b; IL-1R7; IL18RB; CDw218b; IL-1R-7; IL-18RAcP; IL-1RAcPL

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