



## Anti-IL12RB1 polyclonal antibody (CABT-BL010)

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

### PRODUCT INFORMATION

<b>Immunogen</b>	Recombinant protein of human IL12RB1
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Purification</b>	Affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC, IF
<b>Molecular Weight</b>	73kDa
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.

### BACKGROUND

<b>Introduction</b>	The protein encoded by this gene is a type I transmembrane protein that belongs to the hemopoietin receptor superfamily. This protein binds to interleukine 12 (IL12) with a low affinity,
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and is thought to be a part of IL12 receptor complex. This protein forms a disulfide-linked oligomer, which is required for its IL12 binding activity. The coexpression of this and IL12RB2 proteins was shown to lead to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. Mutations in this gene impair the development of interleukin-17-producing T lymphocytes and result in increased susceptibility to mycobacterial and *Salmonella* infections. Alternative splicing results in multiple transcript variants.

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## GENE INFORMATION

Entrez Gene ID [3594](#)

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UniProt ID [P42701](#)

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