abcam

Product datasheet

Anti-IL-12RB2 antibody ab96097

1 References 1 Image

Overview

Product name	Anti-IL-12RB2 antibody
Description	Rabbit polyclonal to IL-12RB2
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant fragment corresponding to Human IL-12RB2 aa 323-665.
Positive control	293T, H1299, HeLaS3, Molt 4, Raji; A431 or HepG2 whole cell lysate (**ab7900**)
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab96097 in the following tested applications.

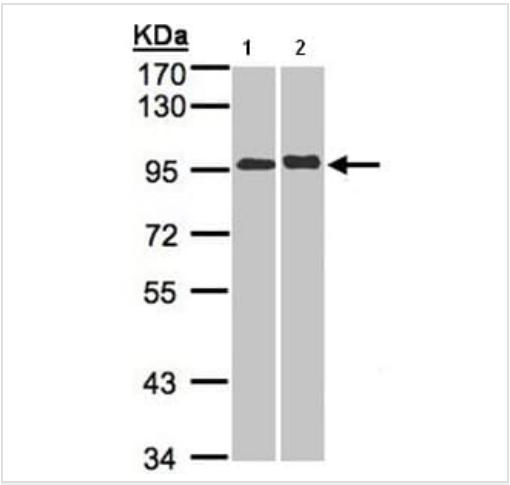
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 97 kDa.

Target

Function	Receptor for interleukin-12. This subunit is the signaling component coupling to the JAK2/STAT4 pathway. Promotes the proliferation of T-cells as well as NK cells. Induces the promotion of T-cells towards the Th1 phenotype by strongly enhancing IFN-gamma production.
Tissue specificity	Isoform 2 is expressed at similar levels in both naive and activated T-cells.
Sequence similarities	Belongs to the type I cytokine receptor family. Type 2 subfamily. Contains 5 fibronectin type-III domains.
Developmental stage	Maximum levels in Th1 cells between day 3 and day 8 of activation.
Domain	The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The box 1 motif is required for JAK interaction and/or activation.
Post-translational modifications	On IL12 binding, phosphorylated on C-terminal tyrosine residues by JAK2. Phosphorylation on Tyr-800 is required for STAT4 binding and activation, and for SOCS3 binding.
Cellular localization	Membrane.

Images



Western blot - Anti-IL-12RB2 antibody (ab96097)

All lanes : Anti-IL-12RB2 antibody (ab96097) at 1/5000 dilution

Lane 1 : A431 whole cell lysate

Lane 2 : HepG2 whole cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 97 kDa

7.5% SDS PAGE

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