

Product datasheet for AP52184PU-N

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IL12RB2 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: FC, IHC, WB

Recommended Dilution: This antibody is suitable for flow cytometry, immunohistochemistry on paraffin sections and

Western blotting.

The suggested dilution is: **Flow cytometry**: 1/10-1/50.

Immunohistochemistry on paraffin sections: 1/50-1/100.

Western blotting: 1/100-1/500.

Reactivity: Human
Host: Rabbit
Isotype: Ig

Clonality: Polyclonal

Immunogen: Synthetic peptide - KLH conjugated - corresponding to the C-terminal region (between 759-

788aa) of human IL12RB2.

Specificity: This antibody detects human IL12RB2 at C-term.

Formulation: PBS with 0.09% (W/V) Sodium Azide.

State: Aff - Purified

State: Liquid purified Ig fraction

Concentration: lot specific

Purification: Purified through a protein A column; followed by peptide affinity purification.

Conjugation: Unconjugated

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Gene Name: interleukin 12 receptor subunit beta 2

Database Link: Entrez Gene 3595 Human

Q99665





Background:

The protein encoded by the IL12RB2 gene is a type I transmembrane protein identified as a subunit of the interleukin 12 receptor complex. The coexpression of this and IL12RB1 proteins was shown to lead to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. The expression of this gene is up-regulated by interferon gamma in Th1 cells, and plays a role in Th1 cell differentiation. The up-regulation of this gene is found to be associated with a number of infectious diseases, such as Crohn's disease and leprosy, which is thought to contribute to the inflammatory response and host defense.

Synonyms: IL-12 receptor beta-2, IL-12R-beta-2

Note: Molecular Weight: 97135 Da

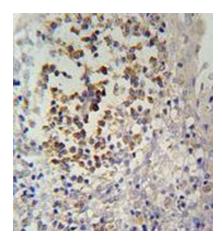
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

Product images:



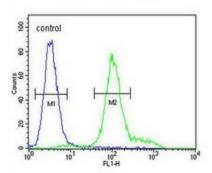
Western blot analysis in MDA-MB435 cell line lysates (35ug/lane) using IL12RB2 antibody. This demonstrates the IL12RB2 antibody detected the IL12RB2 protein (arrow).



Immunohistochemistry analysis in human tonsils tissue (formalin-fixed, paraffin-embedded) using IL12RB2 antibody. (C-term), followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the IL12RB2 antibody for IHC. Clinical relevance has not been evaluated.



MDA-MB435



Flow cytometric analysis of MDA-MB435 cells (right histogram) compared to a negative control cell (left histogram) using IL12RB2 antibody. (Cterm), followed by FITC-conjugated goat-antirabbit secondary antibodies.