

Product Datasheet

IL-21 Antibody - BSA Free NBP1-76740

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-76740

IL-21 Antibody - BSA Free

| Product Information | |
|-------------------------|--|
| Unit Size | 0.1 mg |
| Concentration | 1 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.02% Sodium Azide |
| Isotype | IgG |
| Purity | Peptide affinity purified |
| Buffer | PBS |
| Target Molecular Weight | 17 kDa |

| Product Description | |
|-------------------------|--|
| Host | Rabbit |
| Gene ID | 59067 |
| Gene Symbol | IL21 |
| Species | Human, Mouse, Rat |
| Reactivity Notes | Immunogen displays the following percentage of sequence identity for non-tested species: Pig: (87%) |
| Specificity/Sensitivity | At least two isoforms of IL-21 are known to exist; this antibody will detect both isoforms. IL-21 antibody is predicted to not cross-react with other members of the interleukin protein family. |
| Immunogen | Antibody was raised against a synthetic peptide corresponding to 15 amino acids near the center of human IL-21 precursor. The immunogen is located within the last 50 amino acids of IL-21. Amino Acid Sequence: TCPSCDSYEKKPPKE |

| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot, ELISA, Block/Neutralize |
| Recommended Dilutions | Western Blot 1 ug/mL, ELISA 1:100-1:2000, Block/Neutralize |
| Application Notes | Use in B/N reported in scientific literature (PMID:34408754). |

Images

Western Blot: IL-21 Antibody [NBP1-76740] - Western Blot Validation with Recombinant Protein. Loading: 30 ng of human IL-21 recombinant protein per lane. Antibodies: IL-21 NBP1-76740 (0.5 ug/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.

KDa

40 -

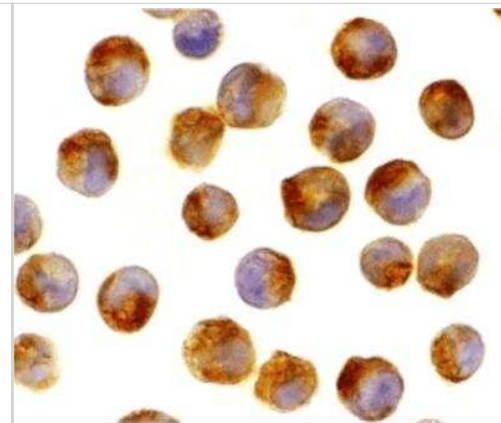
25 -

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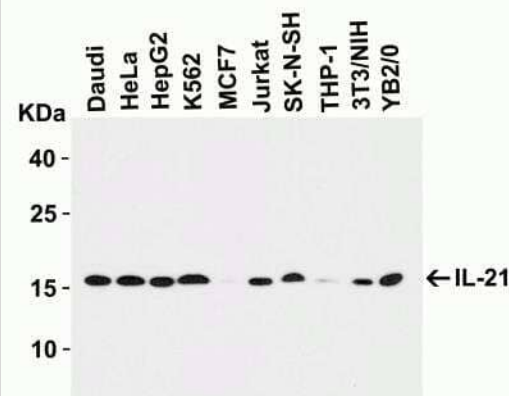
10 -

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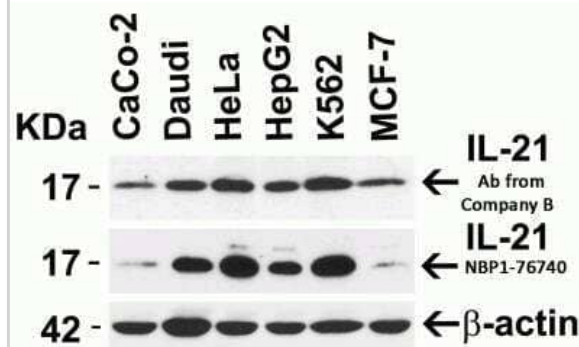
Immunocytochemistry/Immunofluorescence: IL-21 Antibody [NBP1-76740] - Immunocytochemistry Validation of IL-21 in K562 Cells. Immunocytochemical analysis of K562 cells using anti-IL-21 antibody (NBP1-76740) at 2 ug/mL. Cells were fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4 C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Western Blot: IL-21 Antibody [NBP1-76740] - Western Blot Validation in Human, Mouse and Rat Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: IL-21 NBP1-76740, (1 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.

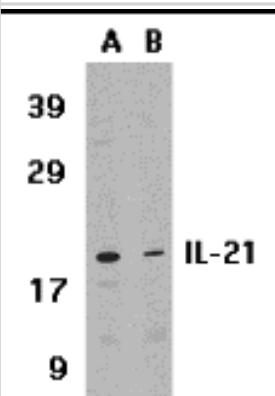


Western Blot: IL-21 Antibody [NBP1-76740] - Independent Antibody Validation (IAV) via Protein Expression Profile in Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: IL-21 NBP1-76740 (1 ug/mL), IL-21 from Company B (5 ug/mL), beta-actin (5 ug/mL) and beta-actin (1 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Western Blot: IL-21 Antibody - BSA Free [NBP1-76740] - **Figure 3 Western Blot Validation in Human HL-60 Cell Lysate**

Loading: 15 u of lysates per lane. Antibodies: IL-21 (1 u/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. (A) Absence of blocking peptide (B) Presence of blocking peptide.



Publications

Lopez DV, Al-Jaberi FAH, Damas ND Et al. Vitamin D Inhibits IL-22 Production Through a Repressive Vitamin D Response Element in the il22 Promoter Frontiers in immunology 2021-08-02 [PMID: 34408754] (B/N, Human)



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Products Related to NBP1-76740

| | |
|---------------|---|
| NBP1-76740PEP | IL-21 Antibody Blocking Peptide |
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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