

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, Immunocytochemistry/ Immunofluorescence, Block/Neutralize
Recommended Dilutions	Western Blot 1 ug/mL, ELISA 1:100-1:2000, Immunocytochemistry/ Immunofluorescence 2 ug/mL, 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

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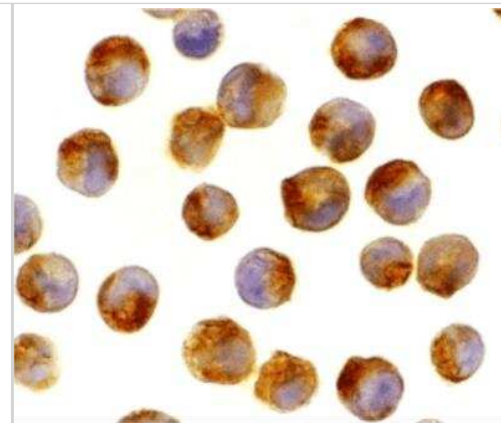
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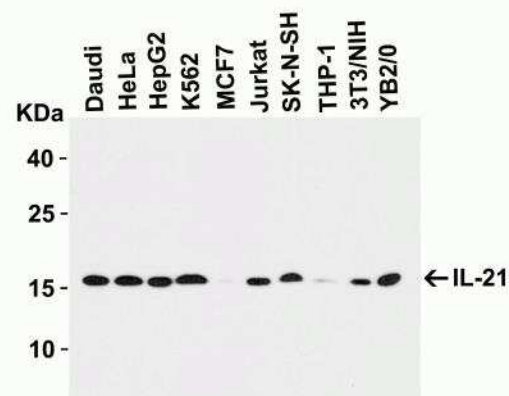
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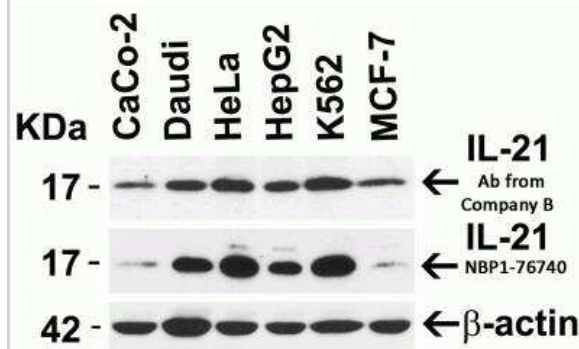
Immunocytochemistry/Immunofluorescence: IL-21 Antibody [NBP1-76740] - Immunocytochemistry Validation of IL-21 in K562 Cells. Immunocytochemical analysis of K562 cells using anti-IL-21 antibody (NBP1-76740) at 2 ug/mL. Cells were fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen 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.



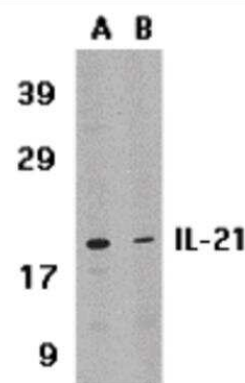
Western Blot: IL-21 Antibody [NBP1-76740] - Western Blot Validation in Human, Mouse and Rat Cell Lines. Loading: 15 ug of lysates per lane. Antibodies: IL-21 NBP1-76740, (1 ug/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



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 [NBP1-76740] - Western Blot Validation in Human HL-60 Cell Lysate 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. (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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