Product Datasheet

IL-21R Antibody - BSA Free
NBP1-76739

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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Publications: 2

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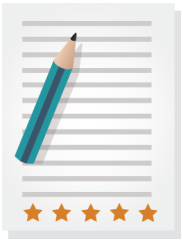
Updated 12/20/2023 v.20.1



NBP1-76739

IL-21R Antibody - BSA Free

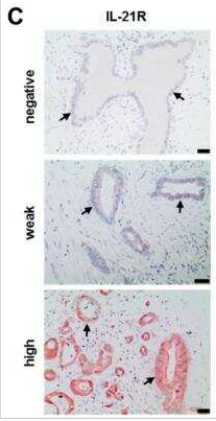
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	62 kDa

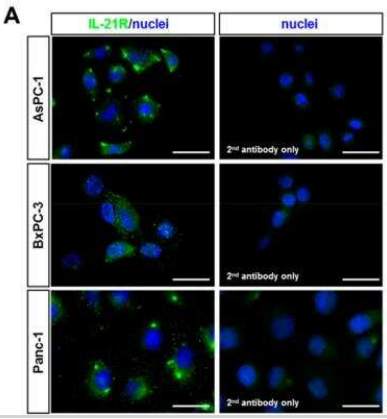
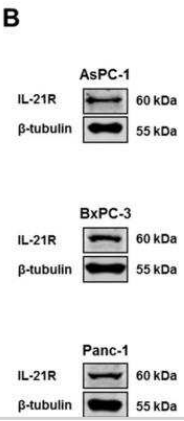
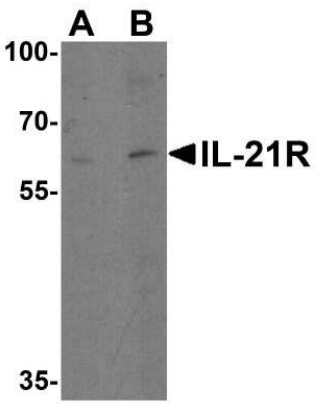
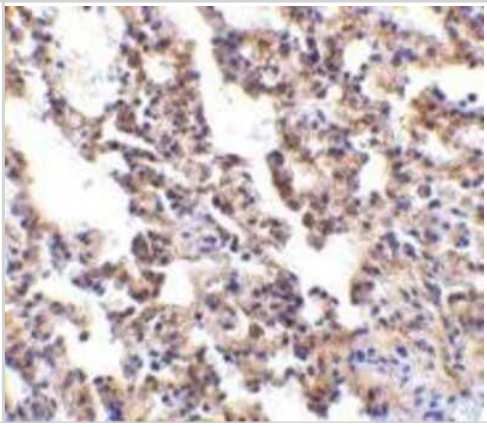
Product Description	
Host	Rabbit
Gene ID	50615
Gene Symbol	IL21R
Species	Human, Mouse, Rat
Immunogen	Antibody was raised against a synthetic peptide corresponding to amino acids 97 to 111 of human IL-21 receptor precursor. The immunogen is located within amino acids 80 - 130 of IL-21 Receptor. Amino Acid Squence: NITDQSGNYSQECGS

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence
Recommended Dilutions	Western Blot 1-2 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 10 ug/ml, Immunocytochemistry/ Immunofluorescence 20 ug/mL, Immunohistochemistry-Paraffin 10 ug/ml, Immunofluorescence 20 ug/ml
Application Notes	An approximately 60 kDa band can be detected in Western Blot. Use in ICC/IF was reported in scientific literature (PMID: 31540511).

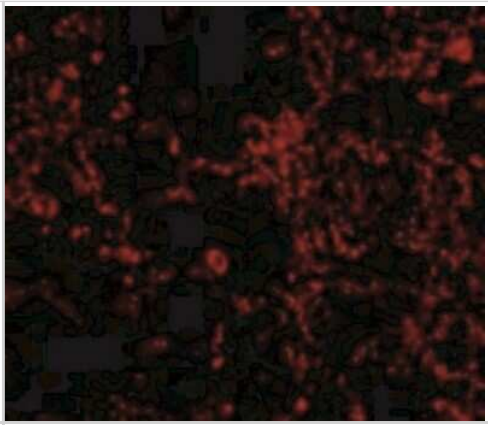
Images

Immunohistochemistry: IL-21R Antibody [NBP1-76739] - Examples of negative, weak and high expression of IL-21R (brown) in human PDAC tissue. Black arrows: tumor cells. Image collected and cropped by CiteAb from the following publication (https://www.mdpi.com/2073-4409/8/9/1104) licensed under a CC-BY license.

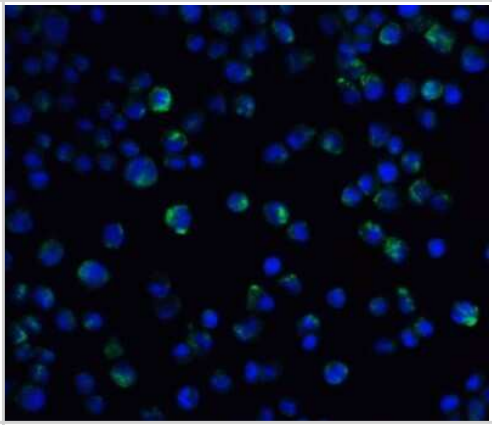


Immunocytochemistry/Immunofluorescence: IL-21R Antibody [NBP1-76739] - IL-21R expression in human PDAC cell lines. Untreated human PDAC cell lines AsPC-1, BxPC-3, and Panc-1 were tested for IL-21R expression in (A) immunofluorescence staining (left: IL-21R+ cells, right: Alexa488 goat anti-rabbit IgG only; nuclei: DAPI (blue), IL-21R: Alexa488 (green)). White bar: 20 um. Image collected and cropped by CiteAb from the following publication (https://www.mdpi.com/2073-4409/8/9/1104) licensed under a CC-BY license.	
Western Blot: IL-21R Antibody [NBP1-76739] - IL-21R expression in human PDAC cell lines. Untreated human PDAC cell lines AsPC-1, BxPC-3, and Panc-1 were tested for IL-21R expression in Western Blot. Image collected and cropped by CiteAb from the following publication (https://www.mdpi.com/2073-4409/8/9/1104) licensed under a CC-BY license.	
Western Blot: IL-21R Antibody [NBP1-76739] - Western blot analysis of IL-21 receptor expression in human HepG2 cell lysate with IL-21 receptor antibody at (A) 1 and (B) 2 ug /ml.	
Immunohistochemistry-Paraffin: IL-21R Antibody [NBP1-76739] - Rat lung with IL-21 receptor antibody at 10 ug/ml.	

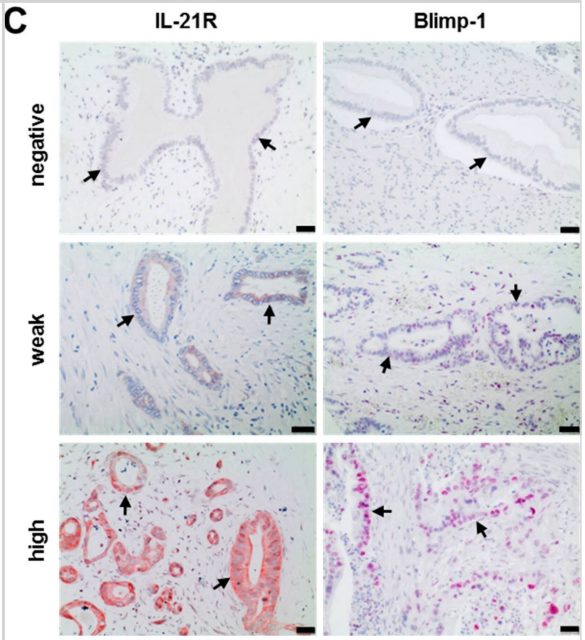
Immunofluorescence: IL-21R Antibody [NBP1-76739] - Immunofluorescence of IL-21 Receptor in Rat Lung cells with IL-21 Receptor antibody at 20 ug/mL.



Immunofluorescence: IL-21R Antibody [NBP1-76739] - IL21R in A431 cells with IL 21 Receptor antibody at 20 ug/mL.Green: IL-21 Receptor Antibody (2469) Blue: DAPI staining



Coculture with neural and glial progenitor cells increases axonal outgrowth from adult DRG neurons. A–C, Representative montage images of control-dissociated DRG cultures (A), dissociated DRGs cocultured with rat GRPs/NRPs (B), and dissociated DRG cultures exposed to conditioned medium from parallel rat GRP/NRP cultures (C) are shown. Immunofluorescence for βIII-tubulin (red) and nestin (green) highlight DRG neurons and GRP/NRP nuclei, respectively. D, Quantitation of the average lengths of the longest axon per neuron (±SEM) for the above conditions is shown. Coculture with GRPs/NRPs significantly increases in axon length compared with the standard DRG culture; exposure to conditioned medium from GRP/NRP cultures showed a further increase in axon length (n ≥ 30 neurons in three separate experiments; *p ≤ 0.05 and ***p ≤ 0.001 by Student's t test). Scale bar, 250 μm. E, Quantitation of axon growth parameters for 7 d injury-conditioned DRG neurons cultured on coverslips laid over a bed of GRP/NRP cells (coculture) or control conditions is shown (n ≥ 200 neurons analyzed in three separate experiments; p values represent ANOVA with Tukey post hoc analyses). Image collected and cropped by CiteAb from the following open publication (https://www.eneuro.org/lookup/doi/10.1523/ENEURO.0171-16.2017), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Mayer P, Linnebacher A, Glennemeier-Marke H et al. The Microarchitecture of Pancreatic Cancer as Measured by Diffusion-Weighted Magnetic Resonance Imaging Is Altered by T Cells with a Tumor Promoting Th17 Phenotype Int J Mol Sci 2020-01-05 [PMID: 31948053] (IF/IHC, IHC-P, Human)

Linnebacher A, Mayer P, Marnet N et al. Interleukin 21 Receptor/Ligand Interaction Is Linked to Disease Progression in Pancreatic Cancer Cells 2019-09-18 [PMID: 31540511] (IF, WB, IF/IHC)

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Products Related to NBP1-76739

NBP1-76739PEP	IL-21R 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

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