

# Product Datasheet

## IL-11R alpha Antibody - BSA Free NBP1-62351

Unit Size: 100 ul

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

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**NBP1-62351**

IL-11R alpha Antibody - BSA Free

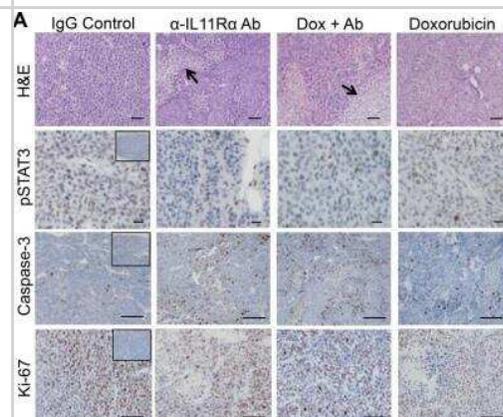
<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS, 2% Sucrose
<b>Target Molecular Weight</b>	43 kDa
<b>Product Description</b>	
<b>Description</b>	The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution.
<b>Host</b>	Rabbit
<b>Gene ID</b>	3590
<b>Gene Symbol</b>	IL11RA
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 28186993).
<b>Specificity/Sensitivity</b>	This product is specific to Subunit or Isoform: alpha.
<b>Immunogen</b>	Synthetic peptides corresponding to IL11RA(interleukin 11 receptor, alpha) The peptide sequence was selected from the middle region of IL11RA. Peptide sequence FLLKFRLQYRPAQHPAWSTVEPAGLEEVITDAVAGLPHAVRVSARDFLDA. The peptide sequence for this immunogen was taken from within the described region.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1.0 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Application Notes</b>	Use in Immunohistochemistry paraffin reported in scientific literature (PMID 28186993).

## Images

Western Blot: IL11RA Antibody [NBP1-62351] - Human Muscle lysate, concentration 0.2-1 ug/ml.



Immunohistochemistry-Paraffin: IL-11R alpha Antibody [NBP1-62351] - The effect of anti-human IL11Ralpha antibody combination treatment with doxorubicin on AN3CA xenograft tumour morphology in vivo. Representative photomicrographs of hematoxylin and eosin stained AN3CA subcutaneous tumour sections are shown in the top panel, arrows denote areas of tissue necrosis. AN3CA subcutaneous tumour sections were immunostained for pSTAT3, cleaved-caspase-3 (apoptosis marker) and Ki-67 (proliferation marker). Bars represent 100 um (H&E), 50 um (pSTAT3) and 200 um (caspase-3, Ki-67). Insets are negative controls. Image collected and cropped by CiteAb from the following publication (<https://www.oncotarget.com/fulltext/15187>) licensed under a CC-BY license.



## Publications

J Milara, I Roger, P Montero, E Artigues, J Escrivá, J Cortijo IL-11 system participates in pulmonary artery remodeling and hypertension in pulmonary fibrosis *Respiratory Research*, 2022-11-15;23(1):313. 2022-11-15 [PMID: 36376885]

Milara J, Roger I, Montero P et al. Targeting IL-11 system as a treatment of pulmonary arterial hypertension *Pharmacological research* 2023-11-01 [PMID: 37949331]

Winship A, Van Sinderen M, Rainczuk K, Dimitriadis E. Therapeutically blocking Interleukin-11 Receptor-a enhances doxorubicin cytotoxicity in high grade type I endometrioid tumours. *Oncotarget* 2017-04-04 [PMID: 28186993] (IHC-P, Mouse)



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### **Products Related to NBP1-62351**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-52394-0.01mg	Recombinant Rat IL-11R alpha His Protein

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### **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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