

# Product Datasheet

## STAT3 Antibody (CL0492) - Azide and BSA Free NBP3-43941

Unit Size: 100 ug

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

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**NBP3-43941**

STAT3 Antibody (CL0492) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	LYOPH mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	CL0492
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

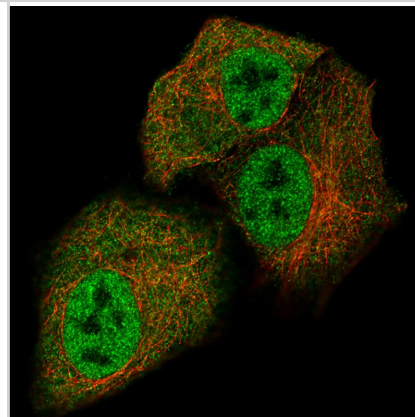
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse STAT3 Antibody (CL0492) - Azide and BSA Free (NBP2-52936) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	6774
<b>Gene Symbol</b>	STAT3
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was generated using a recombinant protein sequence of P40763, with the exact immunogen sequence remaining proprietary.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1 ug/ml, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. For Immunocytochemistry/ Immunofluorescence/IF, PFA/Triton X-100 is recommended for fixation/permeabilization.

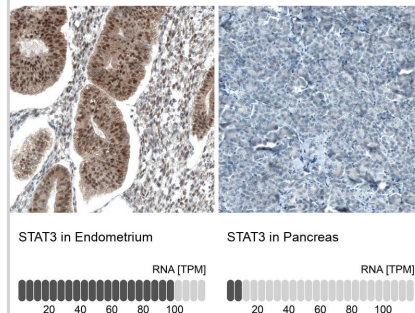


## Images

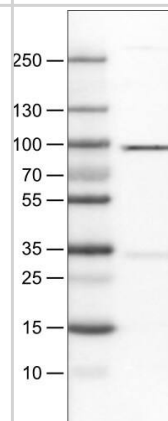
Staining of A549 cells using the Anti-STAT3 monoclonal antibody) .



Analysis in human endometrium and pancreas tissues using NBP3-43941 antibody. Corresponding STAT3 RNA-seq data are presented for the same tissues.



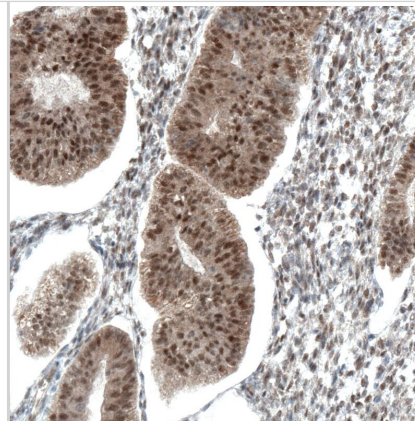
Lane 1: Marker [kDa]  
Lane 2: Human cell line RT-4



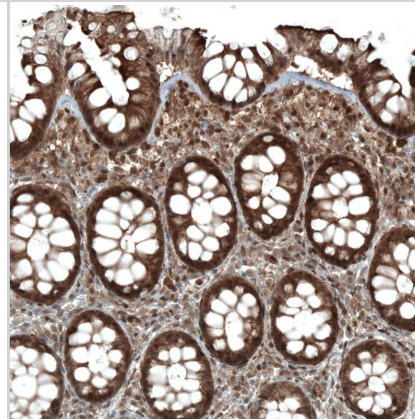
Staining of human kidney shows strong nuclear and moderate cytoplasmic positivity in cells in tubules.



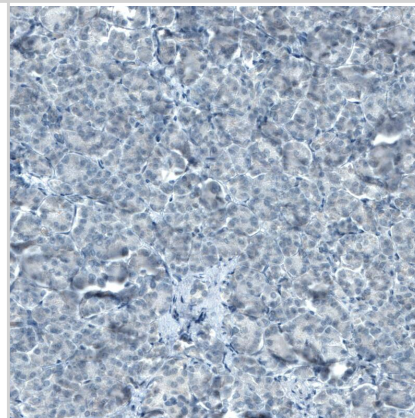
Staining of human endometrium shows strong nuclear and moderate cytoplasmic positivity in glandular cells.



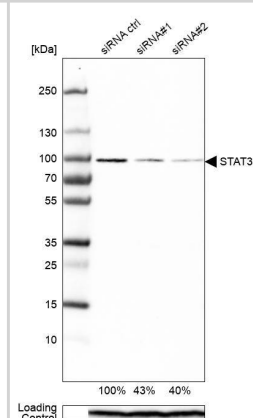
Staining of human rectum shows moderate to strong nuclear and cytoplasmic positivity in glandular cells.



Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



Analysis in RT-4 cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-STAT3 antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.





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### **Products Related to NBP3-43941**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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