

# Product Datasheet

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

Unit Size: 100 ul

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

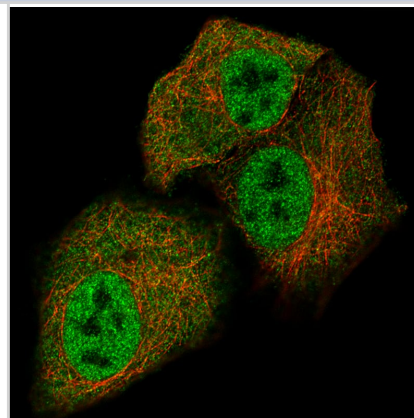
Product Information	
Unit Size	100 ul
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL0492
Preservative	No Preservative
Reconstitution Instructions	Centrifuge the vial of lyophilized antibody at 12,000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

Product Description	
Host	Mouse
Gene ID	6774
Gene Symbol	STAT3
Species	Human
Immunogen	This antibody was generated using a recombinant protein sequence of P40763, with the exact immunogen sequence remaining proprietary.

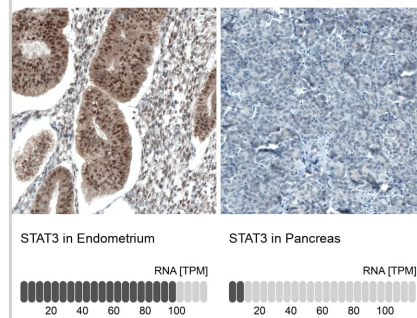
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 ug/ml, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin,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

**Images**

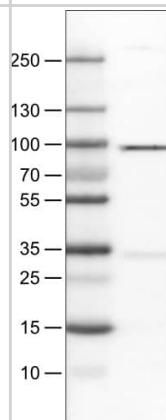
Staining of A549 cells using the Anti-STAT3 monoclonal antibody) .



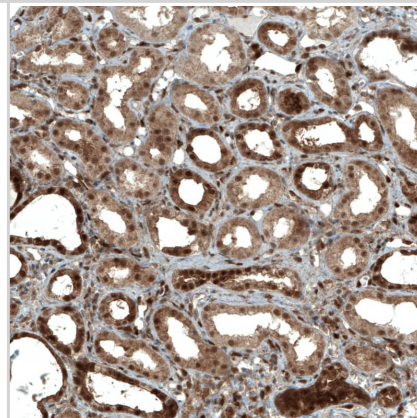
Analysis in human endometrium and pancreas tissues using NBP3-43941 antibody. Corresponding STAT3 RNA-seq data are presented for the same tissues.



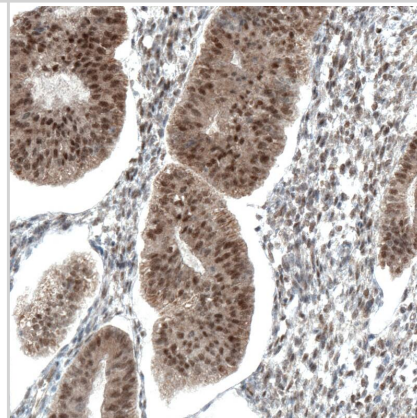
Lane 1: Marker [kDa]  
Lane 2: Human cell line RT-4



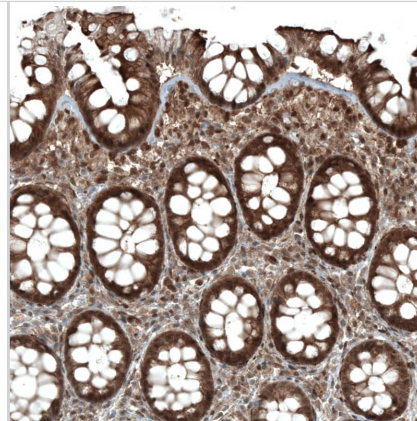
Staining of human kidney shows strong nuclear and moderate cytoplasmic positivity in cells in tubules.



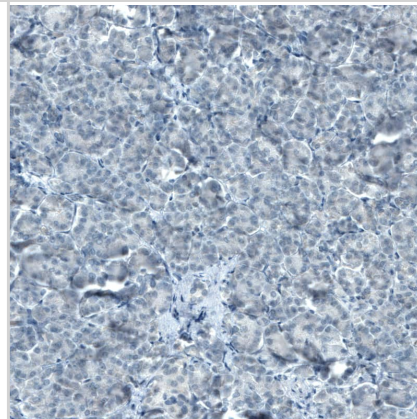
Staining of human endometrium shows strong nuclear and moderate cytoplasmic positivity in glandular cells.



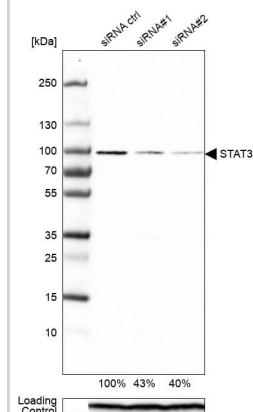
Staining of human rectum shows moderate to strong nuclear and cytoplasmic positivity in glandular cells.



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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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00006774-P01-10ug	Recombinant Human STAT3 GST (N-Term) 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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