

# Product Datasheet

## STAT3 Antibody (CL0492) - BSA Free NBP2-52936

Unit Size: 0.1 ml

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

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**NBP2-52936**

STAT3 Antibody (CL0492) - BSA Free

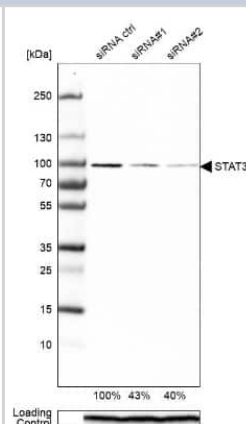
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL0492
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Mouse
Gene ID	6774
Gene Symbol	STAT3
Species	Human
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions
Immunogen	This antibody was developed using a recombinant protein derived from P40763, with the exact immunogen sequence remaining proprietary.

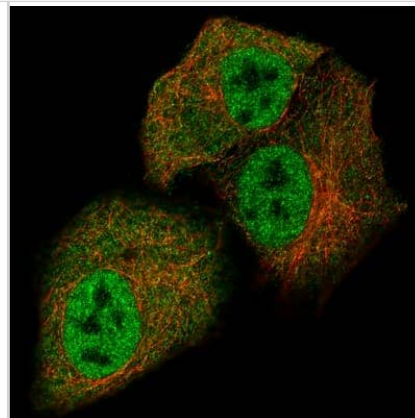
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml,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

**Images**

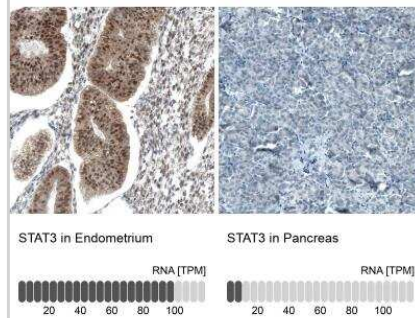
Western Blot: STAT3 Antibody (CL0492) [NBP2-52936] - Analysis in RT-4 cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-STAT3 antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.



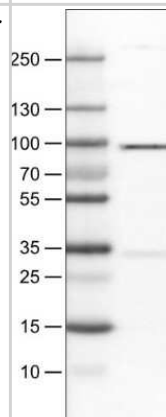
Immunocytochemistry/Immunofluorescence: STAT3 Antibody (CL0492) [NBP2-52936] - Staining of A549 cells using the Anti-STAT3 monoclonal antibody, showing specific staining in the nucleoplasm and cytosol in green. Microtubule- and nuclear probes are visualized in red and blue, respectively (where available).



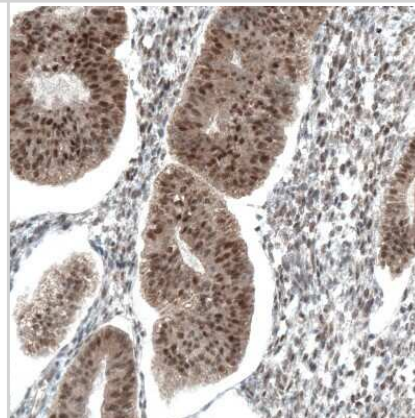
Immunohistochemistry-Paraffin: STAT3 Antibody (CL0492) [NBP2-52936] - Staining in human endometrium and pancreas tissues. Corresponding STAT3 RNA-seq data are presented for the same tissues.



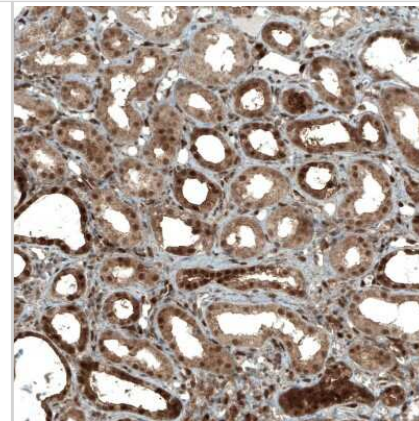
Western Blot: STAT3 Antibody (CL0492) [NBP2-52936] - Lane 1: Marker [kDa], Lane 2: Human cell line RT-4



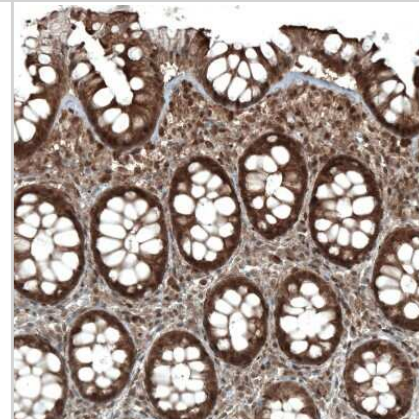
Immunohistochemistry-Paraffin: STAT3 Antibody (CL0492) [NBP2-52936] - Staining of human endometrium shows strong nuclear and moderate cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: STAT3 Antibody (CL0492) [NBP2-52936] - Staining of human kidney shows strong nuclear and moderate cytoplasmic positivity in cells in tubules.



Immunohistochemistry-Paraffin: STAT3 Antibody (CL0492) [NBP2-52936] - Staining of human rectum shows moderate to strong nuclear and cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: STAT3 Antibody (CL0492) [NBP2-52936] - Staining of human pancreas shows no positivity in exocrine glandular cells as expected.





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### **Products Related to NBP2-52936**

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NBP2-52936PEP	STAT3 Recombinant Protein Antigen
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)

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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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