

# Product Datasheet

## STAT3 [p Ser727] Antibody (SY24-09) NBP2-67433

Unit Size: 100 ul

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

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**NBP2-67433**

STAT3 [p Ser727] Antibody (SY24-09)

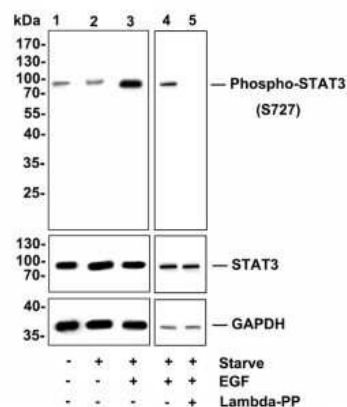
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SY24-09
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	6774
Gene Symbol	STAT3
Species	Human, Mouse, Rat
Immunogen	Synthetic phospho-peptide corresponding to residues surrounding Ser727 of Human STAT3 aa 701-750 / 770. (SwissProt: P40763 Human; SwissProt: P42227 Mouse; SwissProt: P52631 Rat)

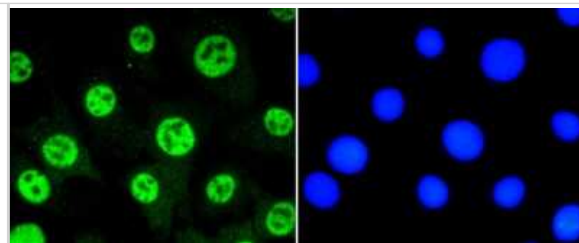
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunoprecipitation, Immunohistochemistry-Paraffin 1:50-1:200

**Images**

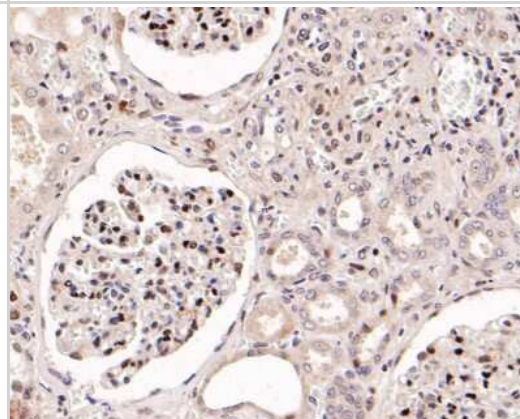
Western Blot: STAT3 [p Ser727] Antibody (SY24-09) [NBP2-67433] - Analysis of STAT3 [p Ser727] on NIH-3T3 cell lysates. Lane 1: NIH-3T3 cells, whole cell lysates, 10 ug/lane. Lane 2: NIH-3T3 cells were starved 6h, whole cell lysates, 10 ug/lane. Lane 3/4: NIH-3T3 cells were starved 6h, then treated with 200 ng/ml EGF for 10 min, whole cell lysates, 10 ug/lane. Lane 5: NIH-3T3 cells were starved 6h, then treated with 200 ng/ml EGF for 10 min, and then treated with 2.8ug/ul lambda-PP for 30 minutes, whole cell lysates, 10 ug/lane. The primary antibody Anti-STAT3 [p Ser727] (1/500) , Anti-STAT3 antibody ( 1/500) and Anti-GAPDH antibody (1/10,000)was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG H&L (HRP) Secondary Antibody at 1:200,000 dilution was used for 1 hour at room temperature. Predicted band size: 88 kDa Observed band size: 88 kDa



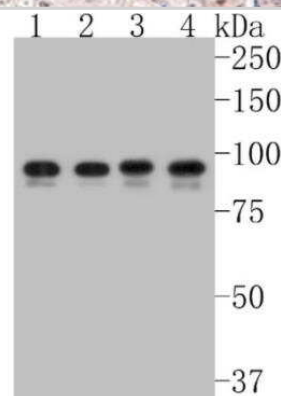
Immunocytochemistry/Immunofluorescence: STAT3 [p Ser727] Antibody (SY24-09) [NBP2-67433] - Staining Phospho-STAT3(S727) in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



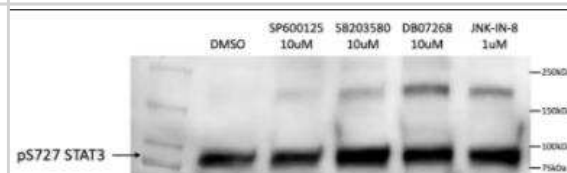
Immunohistochemistry-Paraffin: STAT3 [p Ser727] Antibody (SY24-09) [NBP2-67433] - Analysis of paraffin-embedded human kidney tissue with Rabbit anti-STAT3 [p Ser727] antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1:500 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



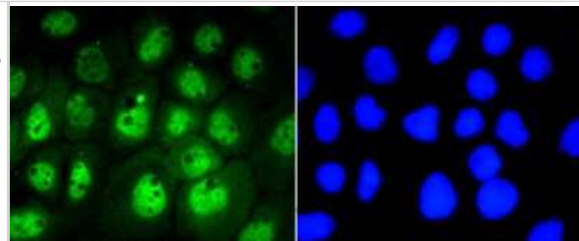
Western Blot: STAT3 [p Ser727] Antibody (SY24-09) [NBP2-67433] - Analysis of Phospho-STAT3(S727) on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: Hela cell lysate Lane 2: A431 cell lysate Lane 1: NIH/3T3 cell lysate Lane 2: Jurkat cell lysate



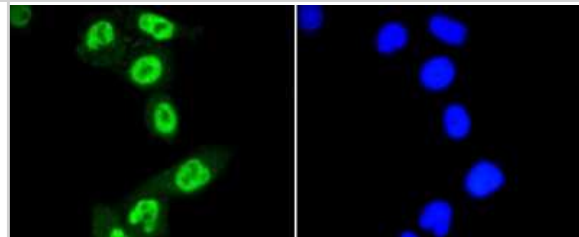
Western Blot: STAT3 [p Ser727] Antibody (SY24-09) [NBP2-67433] - Human U251 glioma cell line, whole cell lysates. Cells were treated with SP600125, DB07268, JNK-IN-8 and SB203580. WB image submitted by a verified customer review.



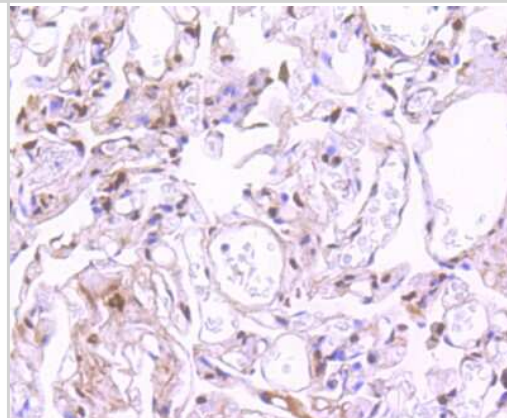
Immunocytochemistry/Immunofluorescence: STAT3 [p Ser727] Antibody (SY24-09) [NBP2-67433] - Staining Phospho-STAT3(S727) in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



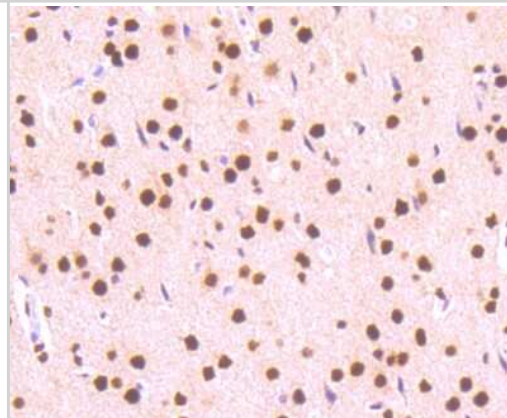
Immunocytochemistry/Immunofluorescence: STAT3 [p Ser727] Antibody (SY24-09) [NBP2-67433] - Staining Phospho-STAT3(S727) in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



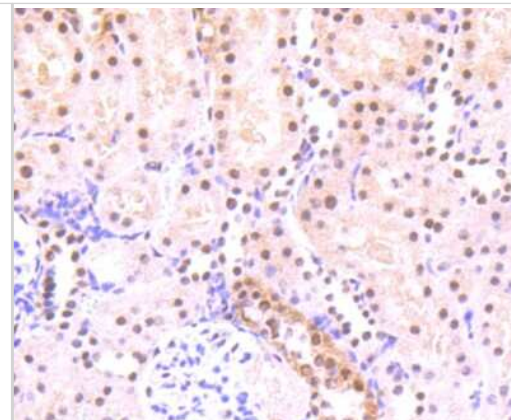
Immunohistochemistry-Paraffin: STAT3 [p Ser727] Antibody (SY24-09) [NBP2-67433] - Analysis of paraffin-embedded human lung tissue using anti-Phospho-STAT3(S727) antibody. Counter stained with hematoxylin.



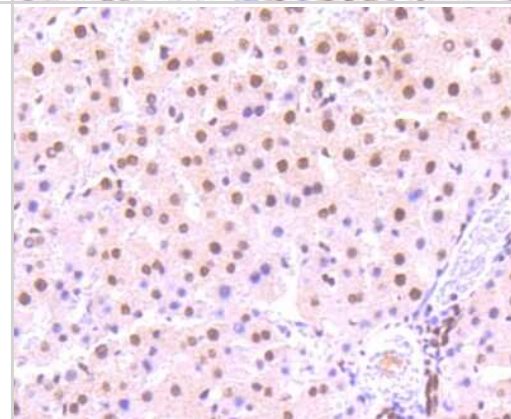
Immunohistochemistry-Paraffin: STAT3 [p Ser727] Antibody (SY24-09) [NBP2-67433] - Analysis of paraffin-embedded rat brain tissue using anti-Phospho-STAT3(S727) antibody. Counter stained with hematoxylin.



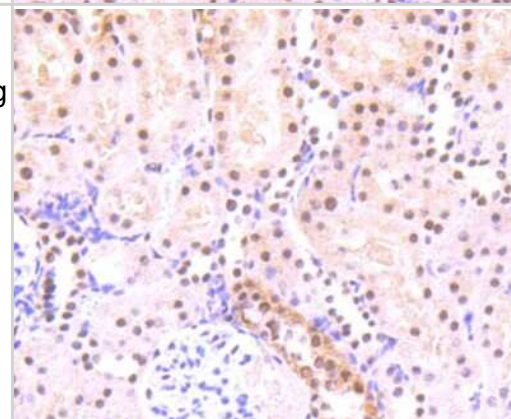
Immunohistochemistry-Paraffin: STAT3 [p Ser727] Antibody (SY24-09) [NBP2-67433] - Analysis of paraffin-embedded rat kidney tissue using anti-Phospho-STAT3(S727) antibody. Counter stained with hematoxylin.



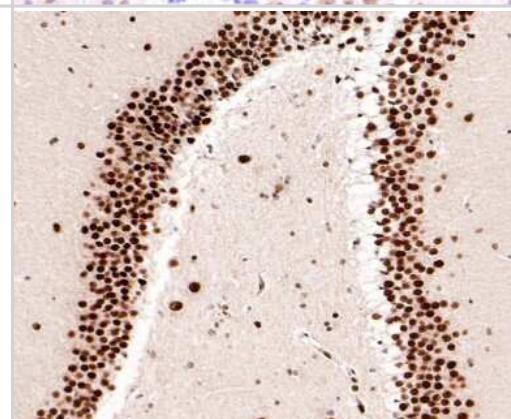
Immunohistochemistry-Paraffin: STAT3 [p Ser727] Antibody (SY24-09) [NBP2-67433] - Analysis of paraffin-embedded rat liver tissue using anti-Phospho-STAT3(S727) antibody. Counter stained with hematoxylin.



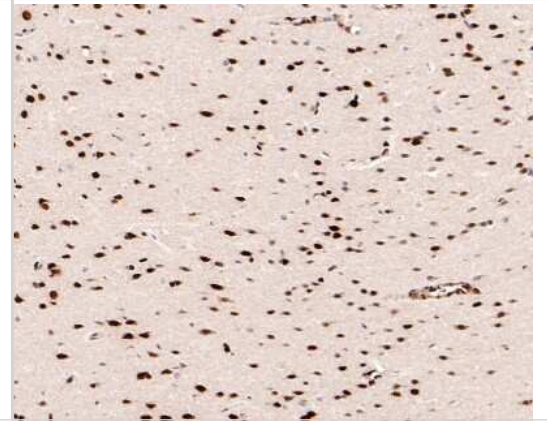
Immunohistochemistry-Paraffin: STAT3 [p Ser727] Antibody (SY24-09) [NBP2-67433] - Analysis of paraffin-embedded rat kidney tissue using anti-Phospho-STAT3 (S727) antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemistry-Paraffin: STAT3 [p Ser727] Antibody (SY24-09) [NBP2-67433] - Analysis of paraffin-embedded rat hippocampus tissue with Rabbit anti-STAT3 [p Ser727] antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1:500 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemistry-Paraffin: STAT3 [p Ser727] Antibody (SY24-09) [NBP2-67433] - Analysis of paraffin-embedded rat brain tissue with Rabbit anti-STAT3 [p Ser727] antibody washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody at 1:500 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.





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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
H00006774-P01-10ug	Recombinant Human STAT3 GST (N-Term) Protein

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### **Limitations**

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