Phospho-STAT3(S727) Rabbit mAb

Catalog No: #13353

Package Size: #13353-1 50ul #13353-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

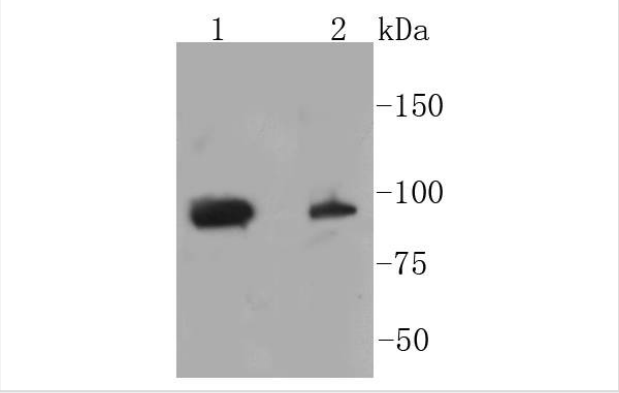
Description

Product Name	Phospho-STAT3(S727) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	SY24-09
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Hu, RtMs
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Ser727 of human STAT3.
Other Names	1110034C02Rik antibody Acute Phase Response Factor antibody Acute-phase response factor antibody ADMIO antibody APRF antibody AW109958 antibody DNA binding protein APRF antibody FLJ20882 antibody HIES antibody MGC16063 antibody Signal transducer and activator of transcription 3 (acute phase response factor) antibody Signal transducer and activator of transcription 3 antibody STAT 3 antibody Stat3 antibody STAT3_HUMAN antibody
Accession No.	Swiss-Prot#:P40763
Uniprot	P40763
GeneID	6774;
Calculated MW	88 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

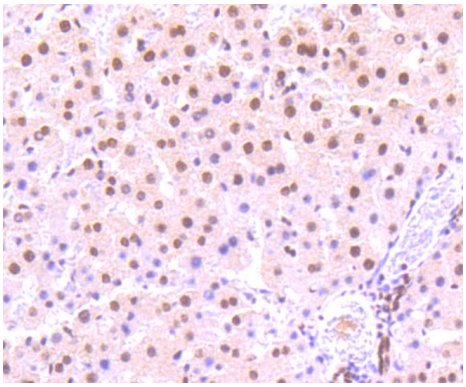
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200ICC: 1:50-1:200

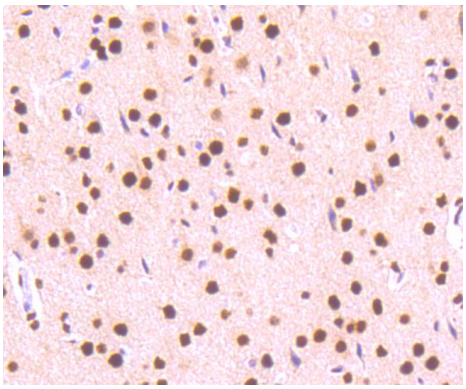
Images



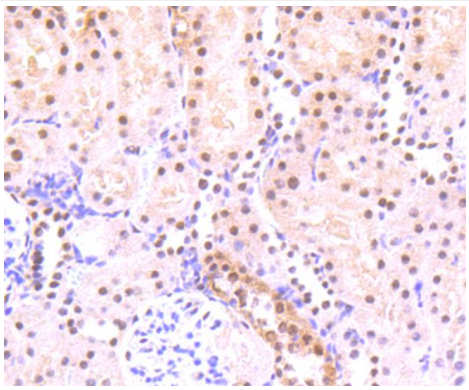
Western blot analysis of Phospho-STAT3(S727) on different lysates using anti-Phospho-STAT3(S727) antibody at 1/1,000 dilution. Positive control:
Lane 1: Hela
Lane 2: NIH/3T3



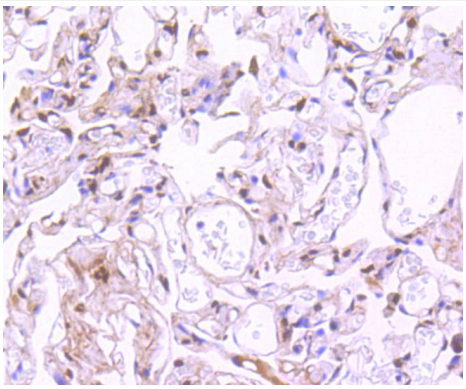
Immunohistochemical analysis of paraffin-embedded rat liver tissue using anti-Phospho-STAT3(S727) antibody. Counter stained with hematoxylin.



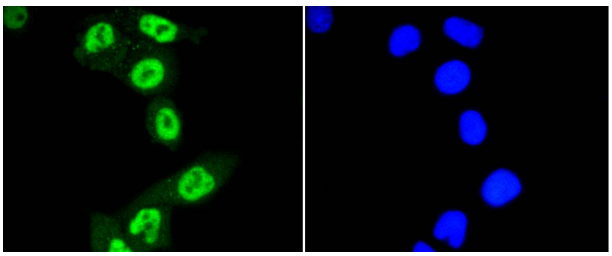
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Phospho-STAT3(S727) antibody. Counter stained with hematoxylin.



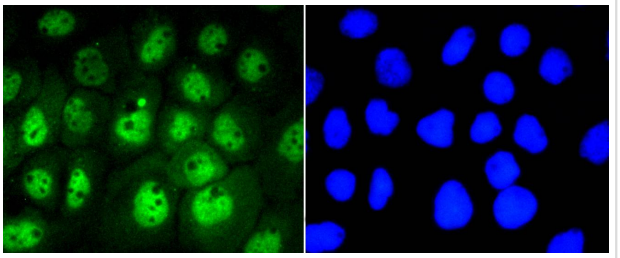
Immunohistochemical analysis of paraffin-embedded rat kidney tissue using anti-Phospho-STAT3(S727) antibody. Counter stained with hematoxylin.



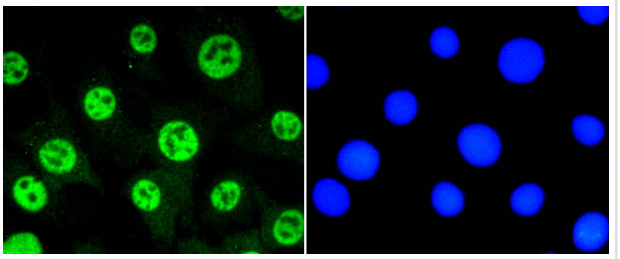
Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-Phospho-STAT3(S727) antibody. Counter stained with hematoxylin.



ICC 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.



ICC 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.



ICC 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.

Background

Membrane receptor signaling by various ligands, including interferons and growth hormones such as EGF, induces activation of JAK kinases which then leads to tyrosine phosphorylation of the various Stat transcription factors. Stat1 and Stat2 are induced by IFN-α and form a heterodimer which is part of the ISGF3 transcription factor complex. Although early reports indicate Stat3 activation by EGF and IL-6, it has been shown that Stat3β appears to be activated by both while Stat3α is activated by EGF, but not by IL-6. Highest expression of Stat4 is seen in testis and myeloid cells. IL-12 has been identified as an activator of Stat4. Stat5 has been shown to be activated by Prolactin and by IL-3. Stat6 is involved in IL-4 activated signaling pathways.

References

Note: This product is for in vitro research use only