STAT3 Rabbit mAb

Catalog No: #48732

Package Size: #48732-1 50ul #48732-2 100ul

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

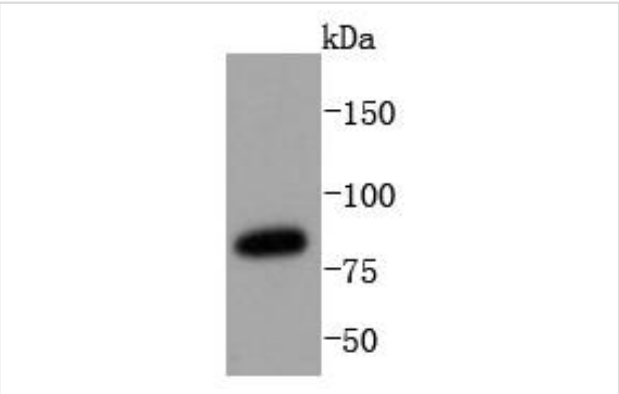
Description

Product Name	STAT3 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SY34-01
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
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
Calculated MW	88 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

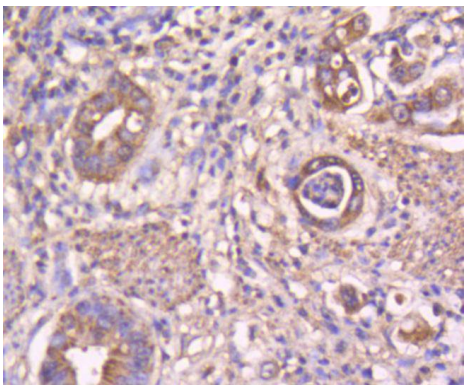
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200ICC: 1:100-1:500

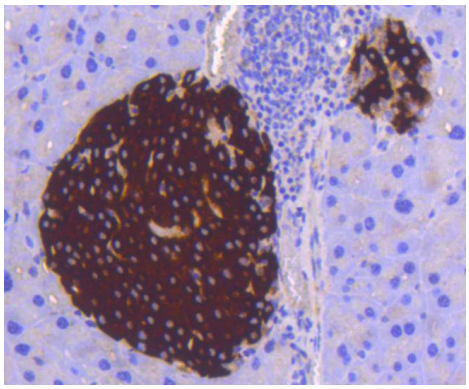
Images



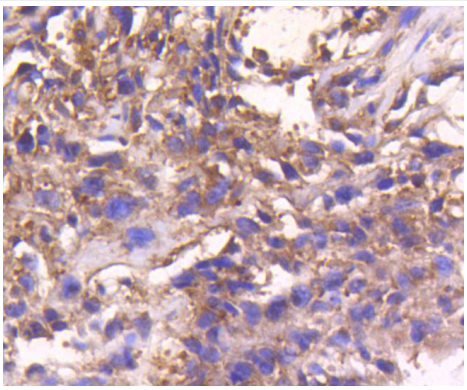
Western blot analysis of STAT3 on MCF-7 cells lysates using anti-STAT3 antibody at 1/1,000 dilution.



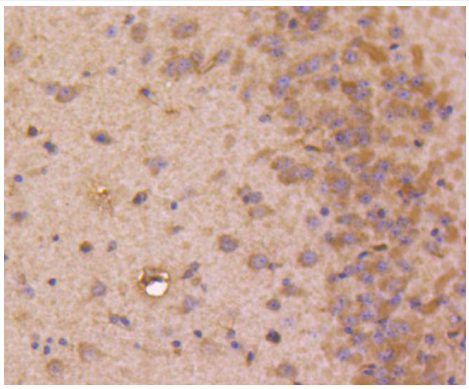
Immunohistochemical analysis of paraffin-embedded human gastric carcinoma tissue using anti-STAT3 antibody. Counter stained with hematoxylin.



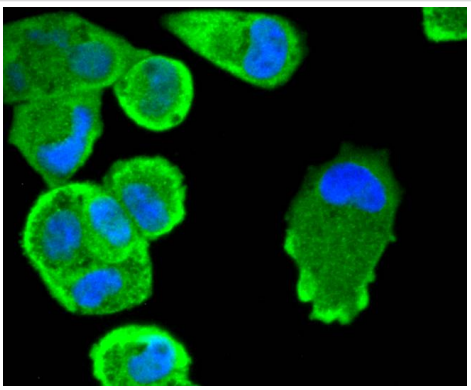
Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue using anti-STAT3 antibody. Counter stained with hematoxylin.



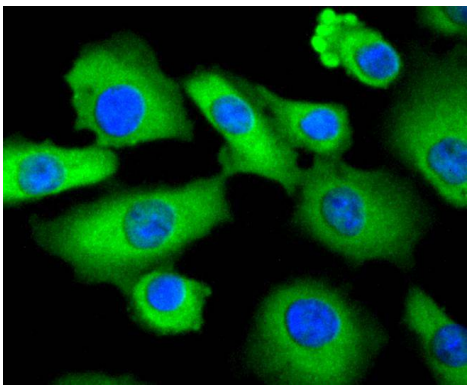
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-STAT3 antibody. Counter stained with hematoxylin.



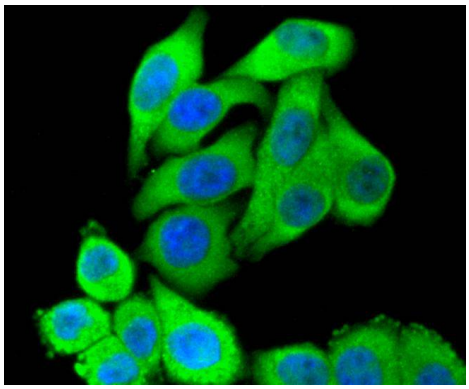
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-STAT3 antibody. Counter stained with hematoxylin.



ICC staining STAT3 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 STAT3 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining STAT3 in HepG2 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 and is not intended for use in humans or animals.