JAK2 Rabbit mAb

Catalog No: #48778

Package Size: #48778-1 50ul #48778-2 100ul

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

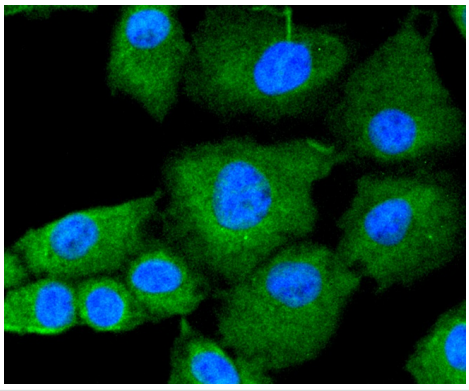
Description

Product Name	JAK2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SY0245
Purification	ProA affinity purified
Applications	WB, ICC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	JAK 2 antibody JAK-2 antibody JAK2 antibody JAK2_HUMAN antibody Janus Activating Kinase 2 antibody Janus kinase 2 (a protein tyrosine kinase) antibody Janus kinase 2 antibody JTK 10 antibody JTK10 antibody kinase Jak2 antibody OTTHUMP00000043260 antibody THCYT3 antibody Tyrosine protein kinase JAK2 antibody Tyrosine-protein kinase JAK2 antibody
Accession No.	Swiss-Prot#:O60674
Uniprot	O60674
GeneID	3717;
Calculated MW	130 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

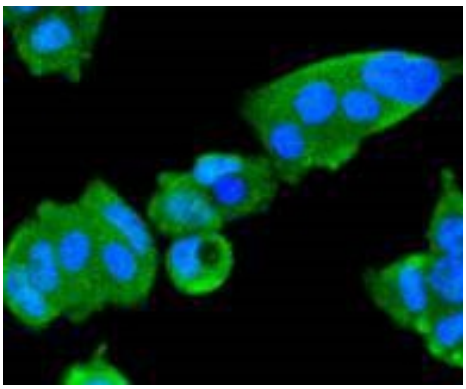
Application Details

WB: 1:1,000ICC: 1:100-1:500

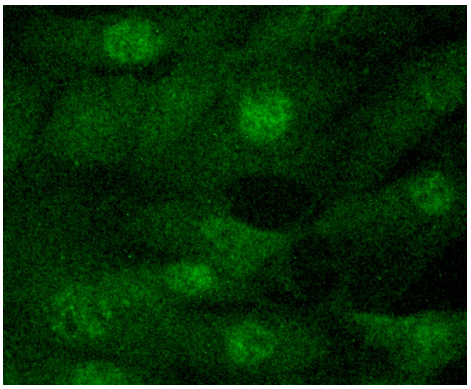
Images



ICC staining JAK2 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 JAK2 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining JAK2 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

JAK2 (Janus kinase 2) belongs to the emerging family of non-receptor Janus tyrosine kinases, which regulate a spectrum of cellular functions downstream of activated cytokine receptors in the lympho-hematopoietic system. Immunological stimuli, such as interferons and cytokines, induce recruitment of Stat transcription factors to cytokine receptor-associated JAK2. JAK2 then phosphorylates proximal Stat factors, which subsequently dimerize, translocate to the nucleus and bind to cis elements upstream of target gene promoters to regulate transcription. The canonical JAK/Stat pathway is integral to maintaining a normal immune system by stimulating proliferation, differentiation, survival and host resistance to pathogens. Altering JAK/Stat signaling to reduce cytokine induced pro-inflammatory responses represents an attractive target for anti-inflammatory therapies.

References

Note: This product is for in vitro research use only