

Product Datasheet

JAK2 Rabbit Monoclonal Antibody (orb546990)

Catalog Number	orb546990
Category	Antibodies
Description	Anti-JAK2 Monoclonal Antibody. Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.
Target	Tyrosine-protein kinase JAK2
Clonality	Monoclonal
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Form/Appearance	Liquid
Concentration	0.5mg/ml
Buffer/Preservatives	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Purification	Affinity-chromatography

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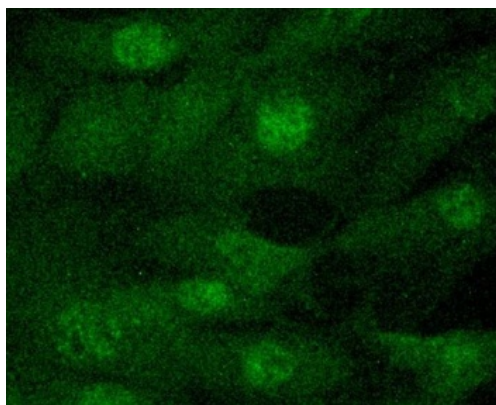
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Immunogen	A synthesized peptide derived from human JAK2 Phosphorylated STATs then form homodimer or heterodimers and translocate to the nucleus to activate gene transcription. For example, cell stimulation with erythropoietin (EPO) during erythropoiesis leads to JAK2 autophosphorylation, activation, and its association with erythropoietin receptor (EPOR) that becomes phosphorylated in its cytoplasmic domain. Then, STAT5 (STAT5A or STAT5B) is recruited, phosphorylated and activated by JAK2.
UniProt ID	O60674
MW	131 kDa
Tested applications	ICC, IF, IHC, IP, WB
Dilution range	WB 1:500-2000 IHC 1:50-200 ICC/IF 1:50-200 IP 1:50-100
Antibody Type	Primary Antibody
Clone Number	COG-10
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



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.

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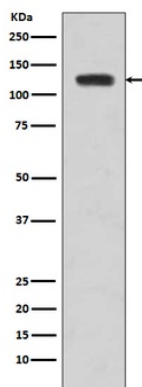
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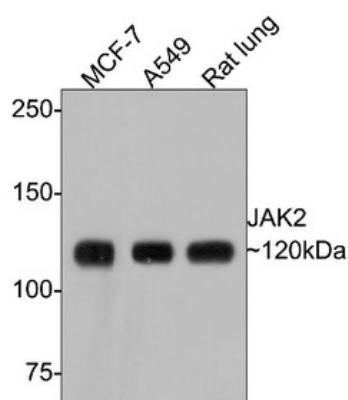
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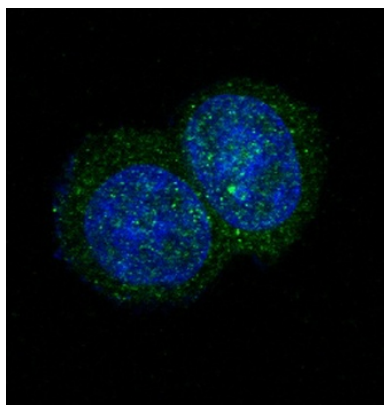
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WB analysis of JAK2 using anti-JAK2 antibody in Jurkat Cell.



WB analysis of JAK2 using anti-JAK2 antibody in (1) MCF-7 Cell; (2) A549 Cell; (3) rat lung Tissue.



Immunofluorescent analysis of Jurkat cells, using JAK2 Antibody.

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