

**Product Name: Phospho-JAK2 (Tyr1007) Rabbit
Polyclonal Antibody
Catalog #: APRab00831**

Summary

Production Name	Phospho-JAK2 (Tyr1007) Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB,IHC-P,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	JAK2
Alternative Names	JAK2; Tyrosine-protein kinase JAK2; Janus kinase 2; JAK-2
Gene ID	3717
SwissProt ID	O60674

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 ELISA: 1/10000
Molecular Weight	Calculated MW: 131 kDa; Observed MW: 131 kDa

Background

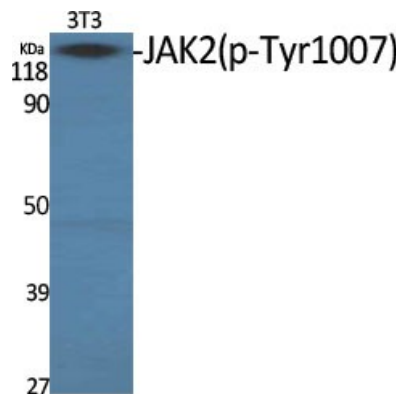
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Phosphorylated STATs then form homodimer or heterodimers and translocate to the nucleus to activate gene transcription. For example, cell stimulation with erythropoietin (EPO) during erythropoiesis leads to JAK2 autophosphorylation, activation, and 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.

Research Area

Cell Biology

Image Data



Western blot analysis of Phospho-JAK2 (Tyr1007) in NIH3T3 lysates using Phospho-JAK2 (Tyr1007) antibody.

Note

For research use only.