

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

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ELISA 1:5000-1:20000
Molecular Weight	Calculated MW: 131 kDa; Observed MW: 131 kDa

Antigen Information

Gene Name	JAK2
Alternative Names	JAK2; Tyrosine-protein kinase JAK2; Janus kinase 2; JAK-2
Gene ID	3717
SwissProt ID	O60674
Immunogen	The antiserum was produced against synthesized peptide derived from human JAK2 around the phosphorylation site of Tyr1007. AA range:981-1030

Background

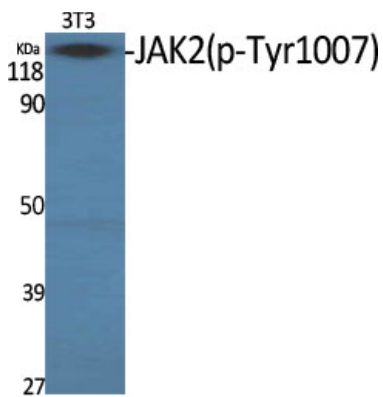
Phosphorylated STATs then form homodimer or heterodimers and translocate to the nucleus to activate gene transcription. For

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.