Product Name: Phospho-JAK2/3 (Tyr966/939) Rabbit Polyclonal Antibody
Catalog #: APRab00793

Summary

Production Name	Phospho-JAK2/3 (Tyr966/939) Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB,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/JAK3
Alternative Names	Tyrosine-protein kinase JAK2/JAK3 (EC 2.7.10.2; Janus kinase 2/Janus kinase 3; JAK-2/JAK-3)
Gene ID	3717/3718
SwissProt ID	O60674/P52333

Application

Dilution Ratio	WB: 1/500-1/1000 ELISA: 1/10000
Molecular Weight	Calculated MW: 131 kDa; Observed MW: 120-130 kDa

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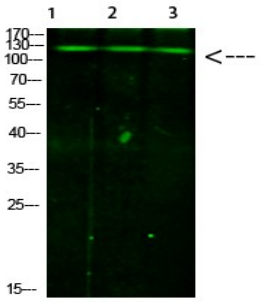
Background

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.

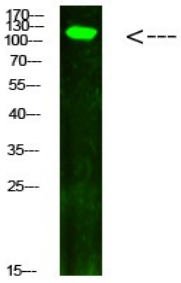
Research Area

Cell Biology

Image Data



Western blot analysis of Phospho-JAK2/3 (Tyr966/939) in mouse liver, hela , mouse brain lysates using Phospho-JAK2/3 (Tyr966/939) antibody.



Western blot analysis of Phospho-JAK2/3 (Tyr966/939) in hela lysates using Phospho-JAK2/3 (Tyr966/939) antibody.

Note

For research use only.