



JAK2 (phospho Tyr931) rabbit pAb

Cat No.:ES5971

For research use only

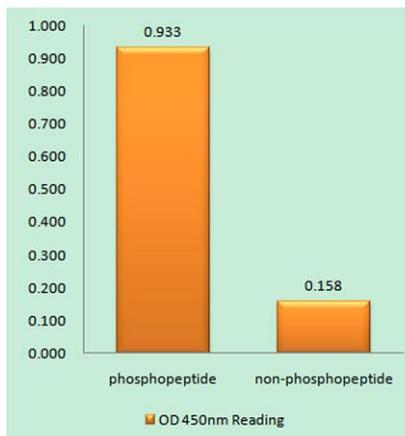
Overview

Product Name	JAK2 (phospho Tyr931) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human JAK2 around the phosphorylation site of Tyr931. AA range:906-955
Specificity	Phospho-JAK2 (Y931) Polyclonal Antibody detects endogenous levels of JAK2 protein only when phosphorylated at Y931.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Tyrosine-protein kinase JAK2
Gene Name	JAK2
Cellular localization	Endomembrane system ; Peripheral membrane protein . Cytoplasm . Nucleus .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	130kD
Human Gene ID	3717
Human Swiss-Prot Number	O60674
Alternative Names	JAK2; Tyrosine-protein kinase JAK2; Janus kinase 2; JAK-2
Background	This gene product is a protein tyrosine kinase involved in a specific subset of cytokine receptor signaling pathways. It has been found to be



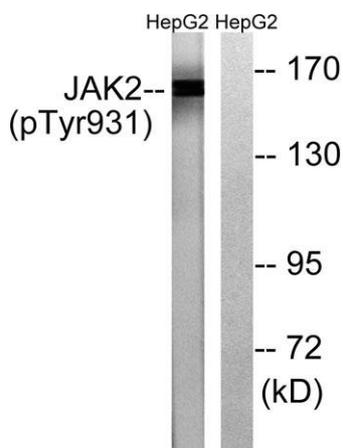
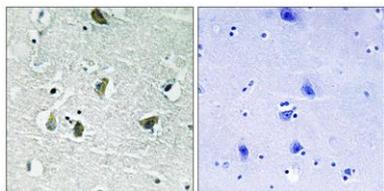


constitutively associated with the prolactin receptor and is required for responses to gamma interferon. Mice that do not express an active protein for this gene exhibit embryonic lethality associated with the absence of definitive erythropoiesis. [provided by RefSeq, Jul 2008],



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using JAK2 (Phospho-Tyr931) Antibody

Immunohistochemistry analysis of paraffin-embedded human brain, using JAK2 (Phospho-Tyr931) Antibody. The picture on the right is blocked with the phospho peptide.

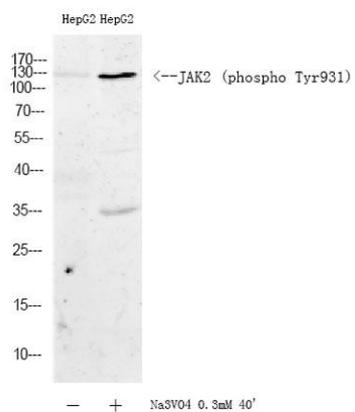


Western blot analysis of lysates from HepG2 cells treated with Na₃VO₄ 0.3mM 40', using JAK2 (Phospho-Tyr931) Antibody. The lane on the right is blocked with the phospho peptide.





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Western blot analysis of lysates from HepG2 cells treated or untreated with Na3VO4 0.3mM 40', using JAK2 (Phospho-Tyr931) Antibody.



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