



## JAK2 (Phospho-Tyr931) Antibody

E11-8118A

**Catalog Number:** E11-8118A

**Concentration:** 1mg/ml

**Swiss-Prot No.:** O60674

**Other Names:** EC 2.7.10.2; JAK-2; JAK2; Janus kinase 2; kinase Jak2

**All Sites:** Human: Tyr931; Mouse: Tyr931; Rat: Tyr931

**Storage/Stability:** Store at -20 °C/1 year

**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without  $Mg^{2+}$  and  $Ca^{2+}$ ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from human JAK2 around the phosphorylation site of tyrosine 931 (M-E-Y<sup>P</sup>-L-P).

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against

non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

**Specificity:** JAK2 (Phospho-Tyr931) antibody detects endogenous levels of JAK2 only when phosphorylated at tyrosine 931.

**Reactivity:** Human (Identities = 100%, Positives = 100%);  
Mouse (Identities = 92%, Positives = 100%);  
Rat (Identities = 92%, Positives = 100%)

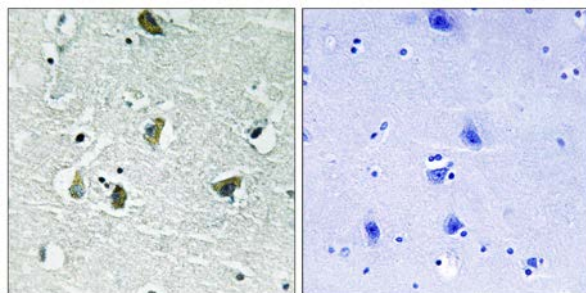
**Applications:** WB: 1:500~1:1000 IHC: 1:50~1:100  
ELISA: 1:20000

### References:

Saltzman A., Biochem. Biophys. Res. Commun. 246:627-633(1998).

Dalal I., Blood 91:844-851(1998).

Peeters P., Blood 90:2535-2540(1997).

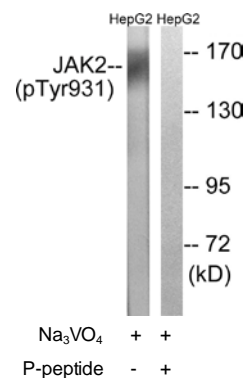


P-peptide

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Immunohistochemistry analysis of paraffin-embedded human brain tissue using JAK2 (Phospho-Tyr931) antibody.



Western blot analysis of extracts from HepG2 cells, treated with  $Na_3VO_4$  (0.3mM, 40mins), using JAK2 (Phospho-Tyr931) antibody.

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