



## JAK2 (Ab-1007) Antibody

#21121

**Catalog Number:** 21121-1, 21121-2

**Amount:** 50µg/50µl, 100µg/100µl

**Swiss-Prot No. :** O60674

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

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

**Immunogen:** The antiserum was produced against synthesized non-phosphopeptide derived from human JAK2 around the phosphorylation site of tyrosine 1007 (K-E-Y<sub>P</sub>-Y-K).

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

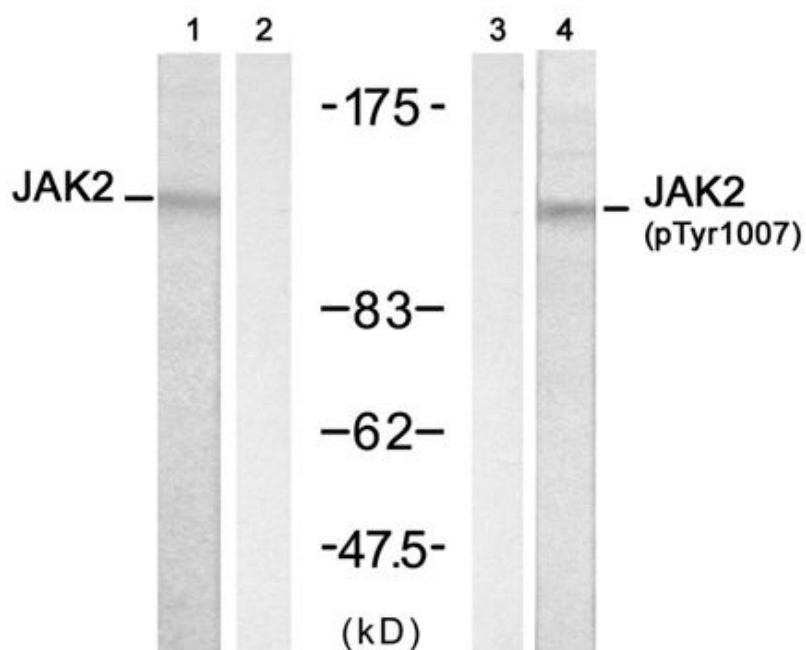
**Specificity/Sensitivity:** JAK2 (Ab-1007) Antibody detects endogenous levels of total JAK2 protein

**Reactivity:** Human, Mouse, Rat

### Applications:

Predicted MW: 125kd

WB: 1:500~1:1000



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p-Peptide	-	-	+	-
Peptide	-	+	-	-

Western blot analysis of extracts from mouse brain tissue, using JAK2 (Ab-1007) Antibody (#21121, Lane 1 and 2) and JAK2 (phospho-Tyr1007) antibody (#11151, Lane 3 and 4).

**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.

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**References:**

James C, et al. (2005) Nature. 434(7037): 1144-1148.  
Argetsinger LS, et al. (2004) Mol Cell Biol. 24(11): 4955-4967.  
Ungureanu D, et al. (2002) Mol Cell Biol. 22(10): 3316-3326.  
Xie S, et al. (2001) Oncogene. 20(43): 6188-6195