



Jak2 (Phospho-Tyr221) Antibody

#11150

Catalog Number: 11150-1, 11150-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : O60674

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), 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 phosphopeptide derived from human JAK2 around the phosphorylation site of tyrosine 221 (Q-D-Y^P-H-I).

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/Sensitivity: JAK2 (phospho-Tyr221) antibody detects endogenous levels of JAK2 only when phosphorylated at tyrosine 221

Reactivity: Human, Mouse, Rat

Applications: Predicted MW: 125kd IHC: 1:50-1:100

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.

References:

Feener EP, et al.(2004) Mol Cell Biol. 24(11): 4968-4978.

Argetsinger LS, et al.(2004) Mol Cell Biol. 24(11): 4955-4967