



JAK2 (Ab-570) Antibody

#21522

Catalog Number: 21522-1, 21522-2

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 non-phosphopeptide derived from human JAK2 around the phosphorylation site of tyrosine 570 (G-D-Y_P-G-Q).

Purification:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

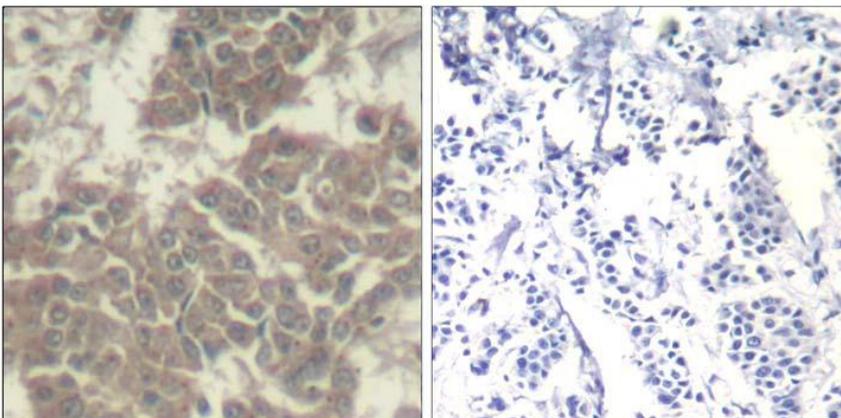
Specificity/Sensitivity: JAK2 (Ab-570) antibody detects endogenous levels of total JAK2 protein.

Reactivity: Human, Rat

Applications:

Predicted MW: 125kd

IHC: 1:50-1:100



Peptide - +

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using JAK2 (Ab-570) antibody (#21522).

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:

- Zhu, T. et al. (1998) *J. Biol. Chem.* 273, 10682-10689.
Argetsinger, L.S. et al. (1995) *J. Biol. Chem.* 270, 14685-14692.
VanderKuur, J. et al. (1995) *J. Biol. Chem.* 270, 7587-7593.
Darnell, J.E. (1997) *Science* 277, 1630-1635.
Leonard, W.J. and O'Shea, J.J. (1998) *Annu. Rev. Immunol.* 16, 293-322.