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AP02343PU-S Polyclonal Antibody to STAT1 (pTyr701) - Aff - Purified -

Alternate names: Signal transducer and activator of transcription 1-alpha/beta, Transcription factor ISGF-3 components p91/p84

Quantity: 50 µg

Concentration: 1.0 mg/ml

Uniprot ID: P42224

NCBI: 9606

Host: Rabbit

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human STAT1 around the phosphorylation site of tyrosine 701 (T-G-YP-I-K).

Format:
State: Liquid purified Ig fraction
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.
Buffer System: Phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% glycerol

Applications: Suitable for use in Western blot (1:500-1:1000) and Immunohistochemistry (1:50-1:100).
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: STAT1 (phospho-Tyr701) antibody detects endogenous levels of STAT1 only when phosphorylated at tyrosine 701.
Species: Human, Mouse and Rat.
Other species not tested.

Storage: Store the antibody (in aliquots) at -20°C.
Avoid repeated freezing and thawing.
Shelf life: One year from despatch.

General Readings:
1. Heim M H, (1999) J Recept Signal Transduct Res. 19: 75-120.
2. Durbin J E, et al. (1996) Cell. 84: 443-450.
3. Demoulin J, B. et al. (1999) J Biol Chem. 274: 25855-258.
4. Ihle J N, et al. (1994) Trends Biochem Sci. 19: 222-227.

Pictures:

Figure 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using STAT1 (phospho-Tyr701) antibody AP02343PU.

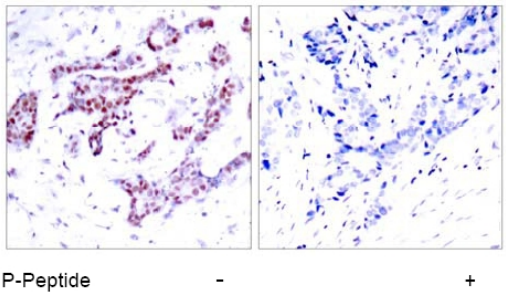

Figure 2. Western blot analysis of extracts from MCF7 cells using STAT1 (phospho-Tyr701) antibody AP02343PU.