

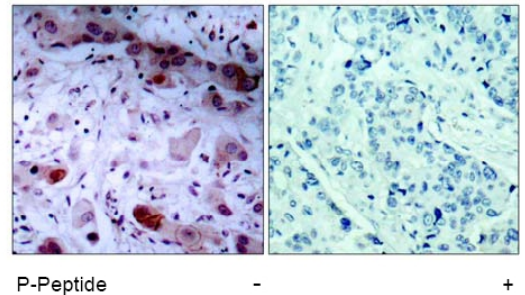
AP02433PU-S**Polyclonal Antibody to Tyrosine-protein kinase JAK1 pTyr1022 - Aff - Purified**

Alternate names:	JAK-1, JAK1A, JAK1B, Janus kinase 1
Quantity:	50 µg
Concentration:	1.0 mg/ml
Uniprot ID:	P23458
NCBI:	NP_002218.2
GeneID:	3716
Host:	Rabbit
Immunogen:	The antiserum was produced against synthesized phosphopeptide derived from Human JAK1 around the phosphorylation site of tyrosine 1022 (K-E-YP-Y-T).
Format:	State: Liquid purified IgG fraction Purification: Affinity Chromatography Buffer System: PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol
Applications:	Western blot (1/500~1/1000). Immunohistochemistry (1/50~1/100). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	130 kDa (Predicted)
Specificity:	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. This antibody detects endogenous levels of JAK1 only when phosphorylated at tyrosine 1022. Species: Human, Rat and Mouse. Other species not tested.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Zheng H, Hu P, Quinn DF, Wang YK. Phosphotyrosine proteomic study of interferon alpha signaling pathway using a combination of immunoprecipitation and immobilized metal affinity chromatography. Mol Cell Proteomics. 2005 Jun;4(6):721-30. Epub 2005 Jan 19. PubMed PMID: 15659558. 2. Wang R, Griffin PR, Small EC, Thompson JE. Mechanism of Janus kinase 3-catalyzed phosphorylation of a Janus kinase 1 activation loop peptide. Arch Biochem Biophys. 2003 Feb 1;410(1):7-15. PubMed PMID: 12559972. 3. Cha Y, Moon BH, Lee MO, Ahn HJ, Lee HJ, Lee KA, et al. Zap70 functions to maintain

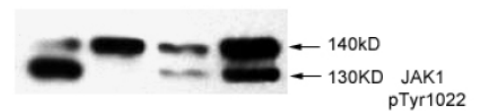
stemness of mouse embryonic stem cells by negatively regulating Jak1/Stat3/c-Myc signaling. *Stem Cells*. 2010 Sep;28(9):1476-86. doi: 10.1002/stem.470. PubMed PMID: 20641039.

Pictures:

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using JAK1 Antibody (Phospho-Tyr1022) Cat.-No AP02433PU.



Western blot analysis of extract from thyroid cancer cell line Bph cells, using JAK1 Antibody (Phospho-Tyr1022) Cat.-No AP02433PU.



Western blot analysis of extracts from HT29 cells untreated or treated with UV using JAK1 Antibody (Phospho-Tyr1022) Cat.-No AP02433PU.

