

JAK1 (phospho-Y1022) polyclonal antibody

Catalog: BS4108

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

JAK1 (Janus kinase 1) belongs to the family of non-receptor Janus tyrosine kinases, which regulate a spectrum of cellular functions downstream of activated cytokine receptors in the lympho-hematopoietic system. Immunological stimuli, such as interferons and cytokines, induce recruitment of Stat transcription factors to cytokine receptor-associated JAK1. JAK1 then phosphorylates proximal Stat factors, which subsequently dimerize, translocate to the nucleus and bind to cis elements upstream of target gene promoters to regulate transcription. Upon ligand binding, JAK1 undergoes tyrosine phosphorylation and catalytic activation in an interdependent manner. Phosphorylation of tyrosine residues at positions 1022 and 1023 is believed to function in the activation of catalytic events.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 125 kDa

Swiss-Prot:

P23458

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

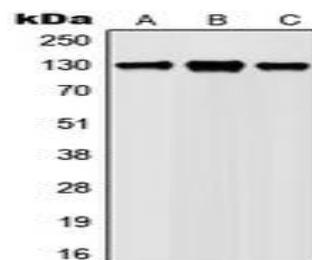
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

p-JAK1 (Y1022) polyclonal antibody detects endogenous levels of JAK1 protein only when phosphorylated at Tyr1022.

DATA:

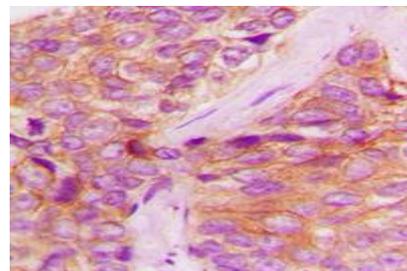


Western blot (WB) analysis of JAK1 (phospho-Y1022) polyclonal antibody at 1:500 dilution

LaneA:HEK293T whole cell lysate(40ug)

LaneB:AD293 whole cell lysate(40ug)

LaneC:Hela whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of p-JAK1 (Y1022) pAb in paraffin-embedded human breast cancer tissue at 1:50.

Note:

For research use only, not for use in diagnostic procedure.

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