

JAK2 polyclonal antibody

Catalog: BS5769

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Jak2 (Janus Kinase 2) belongs to the emerging 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 Jak2. Jak2 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. The canonical Jak-STAT pathway is integral to maintaining a normal immune system by stimulating proliferation, differentiation, survival, and host resistance to pathogens. Altering Jak-STAT signaling to reduce cytokine induced pro-inflammatory responses represents an attractive target for anti-inflammatory therapies.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 125 kDa

Swiss-Prot:

O60674

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:

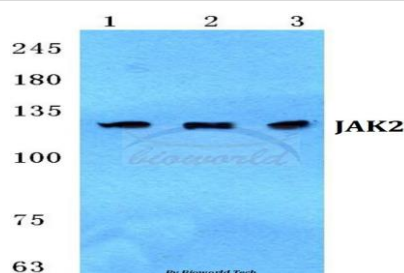
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

JAK2 polyclonal antibody detects endogenous levels of

JAK2 protein.

DATA:

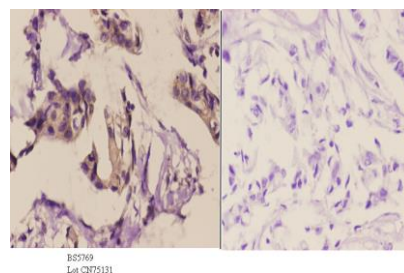


Western blot (WB) analysis of JAK2 polyclonal antibody at 1:500 dilution

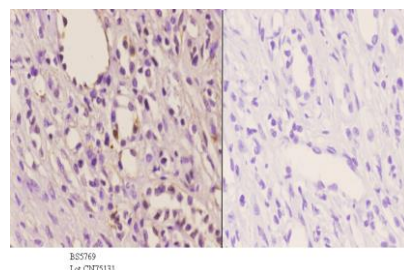
Lane1:HEK293T cell lysate

Lane2:sp2/0 cell lysate

Lane3:H9C2 cell lysate



Immunohistochemistry (IHC) analyzes of JAK2 pAb in paraffin-embedded human breast carcinoma tissue at 1:50. showing cytoplasmic and nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



Immunohistochemistry (IHC) analyzes of JAK2 pAb in paraffin-embedded human kidney carcinoma tissue at 1:50. showing cytoplasmic and nucleus staining. Negative control (the right) Using PBS

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PRODUCT DATA SHEET

Bioworld Technology, Inc.

instead of primary antibody, secondary antibody is Goat Anti-Rabbit
IgG-biotin followed by avidin-peroxidase.

Note:

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

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