STAT3 (Phospho-S727) polyclonal antibody

Catalog: BS94035 Host: Rabbit Reactivity: Human, Rat，Mouse

BackGround:

Membrane receptor signaling by various ligands, including interferons and growth hormones such as EGF, induces activation of JAK kinases which then leads to tyrosine phosphorylation of the various Stat transcription factors. Stat1 and Stat2 are induced by IFN-α and form a heterodimer which is part of the ISGF3 transcription factor complex. Although early reports indicate Stat3 activation by EGF and IL-6, it has been shown that Stat3β appears to be activated by both while Stat3α is activated by EGF, but not by IL-6. Highest expression of Stat4 is seen in testis and myeloid cells. IL-12 has been identified as an activator of Stat4. Stat5 has been shown to be activated by Prolactin and by IL-3. Stat6 is involved in IL-4 activated signaling pathways.

Product:

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

Molecular Weight:

88 kDa

Swiss-Prot:

P40763(Human) P52631(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000-1:2,000

ICC:1:50-1:200

IHC:1:50-1:200

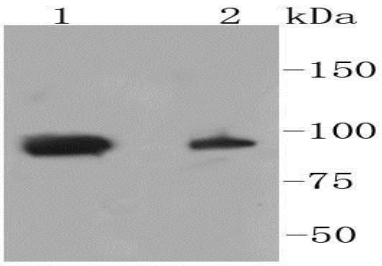
Storage&Stability:

Store at +4℃ after thawing. Aliquot store at -20℃ . Avoid repeated freeze / thaw cycles.

Specificity:

STAT3 (Phospho-S727) polyclonal antibody detects endogenous levels of STAT3 protein only when phosphorylated at S727.

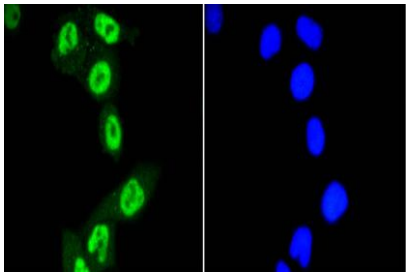
DATA:



Western blot analysis of Phospho-STAT3(S727) on different lysates using anti-Phospho-STAT3(S727) antibody at 1/1,000 dilution. Positive control:

Lane 1: Hela

Lane 2: NIH/3T3



ICC staining Phospho-STAT3(S727) in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

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

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