

STAT2 polyclonal antibody

Catalog: BS67421

Host: Rabbit

Reactivity: Human, Mouse, Rat, Pig

BackGround:

Stat2 (113-kDa), originally purified from the nuclei of alpha-interferon-treated cells, is critical to the transcriptional responses induced by type I interferons, IFN-alpha/beta. Knockout mice with a targeted disruption of Stat2 have higher susceptibility to viral infection and altered responses to type I interferons. Stat2 is rapidly activated by phosphorylation at Tyr690 in response to stimulation by IFN-alpha/beta via associations with receptor-bound Jak kinases. Unlike other Stat proteins, Stat2 does not form homodimers. Instead, activated Stat2 forms a heterodimer with Stat1 and translocates to the nucleus. There, it associates with the DNA-binding protein p48 and forms the transcriptional activator complex, interferon-stimulated gene factor 3 (ISGF3), promoting transcription from the ISRE.

Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 113 kDa

Swiss-Prot:

P52630

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

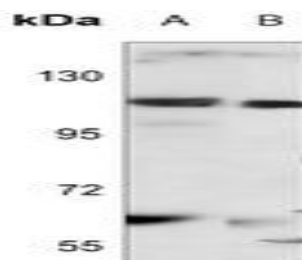
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of STAT2 protein.

DATA:



Western blot analysis of STAT2 expression in mouse muscle (A), rat muscle (B) whole cell lysates.

Note:

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

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