

STAT6 polyclonal antibody

Catalog: BS91292

Host: Rabbit

Reactivity: Human, 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 proteins that have been designated Stats (signal transducers and activators of transcription). The first members of this family to be described include Stat1 α p91, Stat1 β p84 (a form of p91 that lacks 38 COOH-terminal amino acids) and Stat2 p113. Stat1 and Stat2 are induced by IFN- α and form a heterodimer which is part of the ISGF3 transcription factor complex. Stat3, which becomes activated in response to epidermal growth factor (EGF) and interleukin-6 (IL-6), but not interferon- γ (IFN- γ) or Stat4, is an additional member of this family. It has been suggested that the phosphorylated forms of both Stat3 and Stat4 form homodimers as well as heterodimers with the other members of the Stat family, and that differential activation of different Stat proteins in response to different ligands should help to explain specificity in nuclear signaling from the cell surface. Highest expression of Stat4 is seen in testis and myeloid cells. IL-12 has been identified as an activator of Stat4. Other members of the Stat family include Stat5, which has been shown to be activated by prolactin and by IL-3, and Stat6 (also designated IL-4 Stat), which 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:

~ 100 kDa

Swiss-Prot:

P42226

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1:500-1:1,000

IHC:1:50-1:200

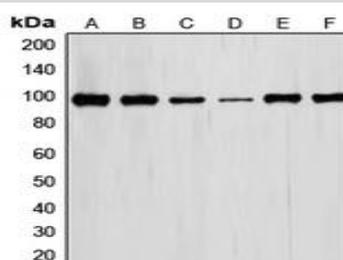
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

Specificity:

STAT6 polyclonal antibody detects endogenous levels of STAT6 protein.

DATA:



Western blot (WB) analysis of STAT6 polyclonal antibody at 1:500 dilution

LaneA:MCF-7 whole cell lysate(30ug)

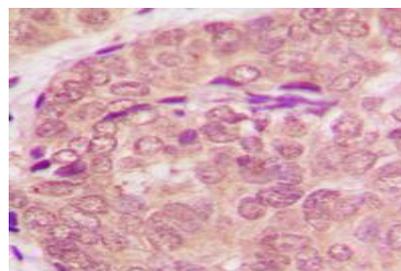
LaneB:Hela whole cell lysate(30ug)

LaneC:HT29 whole cell lysate(30ug)

LaneD:RAW264.7 whole cell lysate(30ug)

LaneE:PC12 whole cell lysate(30ug)

LaneF:COS-7 whole cell lysate(30ug)



Immunohistochemistry of paraffin-embedded human breast cancer using STAT6 antibody at dilution of 1:50.

Note:

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PRODUCT DATA SHEET

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

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