

Stat3 Rabbit monoclonal antibody

Catalog: BS9907M

Host: Rabbit

Reactivity: Human, Mouse, Rat, Zebra fish

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 Stat3 β appears to be activated by both while Stat3 α 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

Purification&Purity:

Protein A affinity purified

Applications:

WB: 1:1000

IHC/ICC/IF: 1:50-1:200

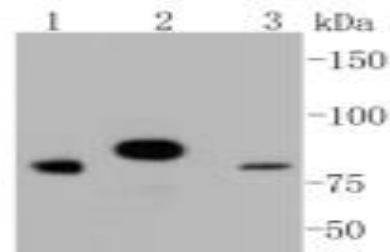
Storage&Stability:

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

Specificity:

This antibody detects endogenous levels of Stat3 and does not cross-react with related proteins.

DATA:

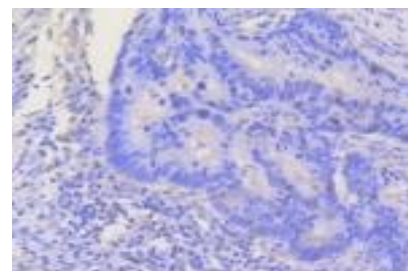


Western blot (WB) analysis of Stat3 Rabbit mAb at 1:1000 dilution

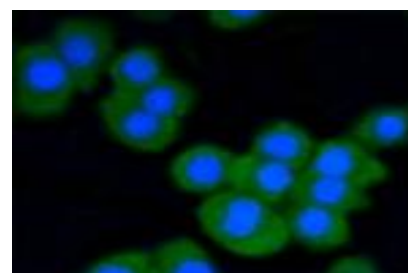
Lane1:Hela whole cell lysate

Lane2:SHG-44 whole cell lysate

Lane3:SW480 whole cell lysate



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Stat3 antibody. Counter stained with hematoxylin.



ICC staining Stat3 in CRC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Note:

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

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