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## 35-1045: Polyclonal Antibody to STAT3 (Phospho-Ser727)

Clonality: Polyclonal Application: WB,IHC,IF

**Reactivity:** Human, Mouse, Rat

Gene : STAT3
Gene ID : 6774
Uniprot ID : P40763
Format : Purified
Alternative Name : APRF,HIES
Isotype : Rabbit IgG

Immunogen Information: Peptide sequence around phosphorylation site of serine 727 (P-M-S(p)-P-R) derived from

Human STAT3.

## **Description**

Transcription factor that binds to the interleukin-6 (IL-6)-responsive elements identified in the promoters of various acutephase protein genes. Activated by IL31 through IL31RA. Heim M H, (1999) J Recept Signal Transduct Res. 19: 75-120. Takeda K, et al. (1997) Proc Natl Acad Sci USA. 94: 3801-3804. Catlett-Falcone R, et al. (1999) Immunity. 10: 105-115. Garcia R, et al. (1998) J Biomed Sci. 5: 79-85. Bromberg J F, et al. (1999) Cell. 98: 295-303.

## **Product Info**

**Amount :** 50 μl / 100 μl

Content: Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM

NaCl, 0.02% sodium azide and 50% glycerol.

Storage condition:

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Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Predicted MW: 88kd, Western blotting:  $1:500\sim1:1000$ , Immunohistochemistry:  $1:50\sim1:100$ , Immunofluorescence:  $1:100\sim1:200$ 

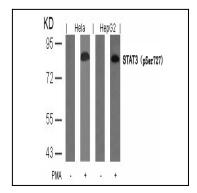


Figure 1: Western blot analysis of extracts from Hela and HepG2 cells untreated or treated with PMA usingSTAT3(Phospho-Ser727) Antibody 35-1045 .



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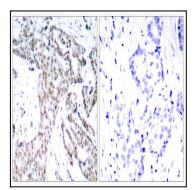


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using STAT3(Phospho-Ser727) Antibody 35-1045 (left) or the same antibody preincubated with blocking peptide(right).

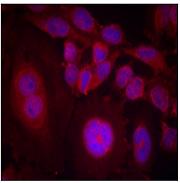


Figure 3: Immunofluorescence staining of methanol-fixed Hela cells using STAT3(Phospho-Ser727) Antibody 35-1045.

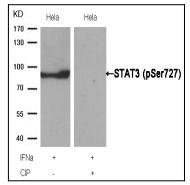


Figure 4: Western blot analysis of extracts from Hela cells, treated with IFNa or calf intestinal phosphatase (CIP), using STAT3 (Phospho-Ser727) Antibody 35-1045.