Stat3 Antibody

E80407-26

Product Type: Rabbit Polyclonal IgG, primary antibodies
Catalog Number: E80407-26
Amount: 100ul 0.5mg/ml
Positive control: Hela
Project ID: PK015
Molecular Wt.: 86kDa
Cellular Localization: Cytoplasm,Nudeus
Form of Antibody: Liquid
Storage Buffer: 1*TBS (pH7.4), 0.5%BSA, 25%Glycerol. Preservative: 0.05% Sodium Azide.
Description: Stat3, a member of the Stat family, was originally found as the acute phase response factor, a transcription factor activated by IL-6 and its receptor in liver cells. Stat molecules can be activated by receptor-associated tyrosine kinases through phosphorylation on a single tyro-sine residue. After phosphorylation, Stat proteins can form dimers, translocate into the nucleus and activate gene expression by binding to specific response elements in the promoter of target genes. Recently, it has been found that many signals relay their effects through Stat3, implicating it in growth, differentiation, survival and apoptosis.
Storage/Stability: Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Purity: Affinity purified
Recommended Dilutions: WB: 1:500
Specificity/Sensitivity: This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding to a region of C-terminal residues of Chromogranin A.
Reactivity: Mouse,Rat, Human
Applications: WB,ICC
Swiss-Prot No. : SwissProt P42227
References:

1. Shindler C，Darnell J E Jr. Transcriptional response to polypeptide ligands：the Jak-STAT pathway. Annu Rev Biochem，1995，64（1）：621 ～ 651
2. Darnell J E Jr. STATs and gene regulation. Science，1997，277（5332）：1630 ～ 1635
3. Horvath C M. STAT proteins and transcriptional responses to extracellar signals. Trends Biochem Sci，2000，25 （8 ）：496 ～502
4. Ihle J N. The STAT family in cytokine signaling. Curr Opin Cell Boil，2001，13（2）：211 ～ 217

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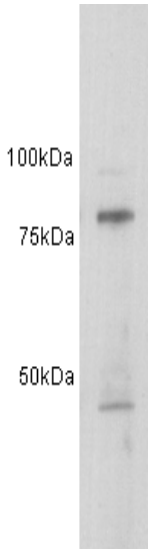

Fig: Western blot analysis on hela cell lysates using anti-Stat3 polyclonal antibody