

产品名称: Stat5a/b (phospho Ser726/731) Rabbit Polyclonal Antibody
产品货号: APRab05488



产品概述 (Summary)

产品名称 (Production Name)	Stat5a/b (phospho Ser726/731) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	STAT5A/STAT5B
别名 (Alternative Names)	STAT5A; STAT5; Signal transducer and activator of transcription 5A; STAT5B; Signal transducer and activator of transcription 5B
基因 ID (Gene ID)	6776/6777
蛋白 ID (SwissProt ID)	P42229/P51692.The antiserum was produced against synthesized peptide derived from human STAT5A/B around the phosphorylation site of Ser725/730. AA range:696-745

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
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蛋白分子量 (Molecular Weight) 91kDa

研究背景 (Background)

The protein encoded by this gene is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein is activated by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different growth hormones. Activation of this protein in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for tumorigenesis. The mouse counterpart of this gene is found to induce the expression of BCL2L1/BCL-X(L), which suggests the antiapoptotic function of this gene in cells. Alternatively spliced transcript variants have been function: Carries out a dual function: signal transduction and activation of transcription. Binds to the GAS element and activates PRL-induced transcription., online information: STAT5 entry, PTM: Tyrosine phosphorylated in response to IL-2, IL-3, IL-7, IL-15, GM-CSF, growth hormone, prolactin, erythropoietin and thrombopoietin. Tyrosine phosphorylation is required for DNA-binding activity and dimerization. Serine phosphorylation is also required for maximal transcriptional activity., similarity: Belongs to the transcription factor STAT family., similarity: Contains 1 SH2 domain., subcellular location: Translocated into the nucleus in response to phosphorylation., subunit: Forms a homodimer or a heterodimer with a related family member. Binds NR3C1 (By similarity). Interacts with NCOA1 and SOCS7.,

研究领域 (Research Area)

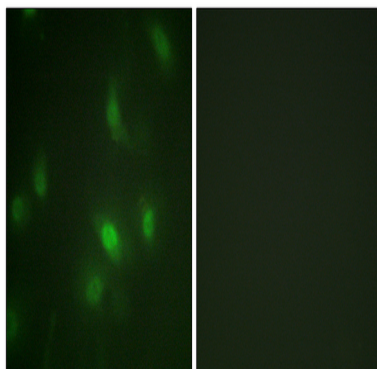
ErbB_HER; Jak_STAT; Pathways in cancer; Chronic myeloid leukemia; Acute myeloid leukemia;

图片 (Image Data)

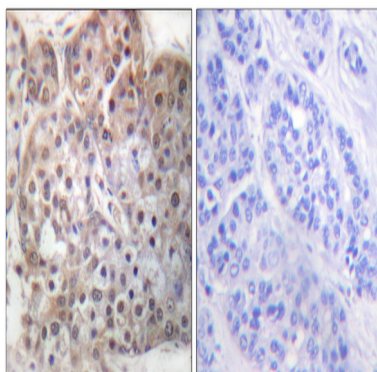


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using STAT5A/B (Phospho-Ser725/730) Antibody

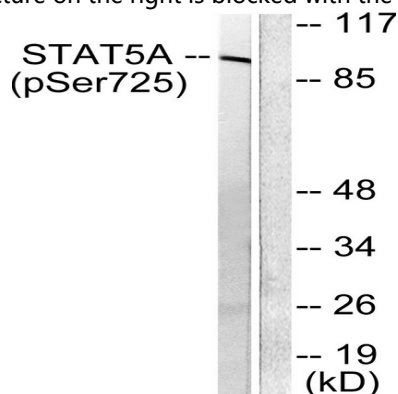
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Immunofluorescence analysis of HepG2 cells, using STAT5A/B (Phospho-Ser725/730) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using STAT5A/B (Phospho-Ser725/730) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from Jurkat cells treated with EGF 200ng/ml 30', using STAT5A/B (Phospho-Ser725/730) Antibody. The lane on the right is blocked with the phospho peptide.

注意事项 (Note)

For research use only .