

STAT5b Rabbit mAb

Catalog # AP76722

Product Information

Application	WB, IHC-P, IHC-F, FC, IP
Primary Accession	P51692
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	89866

Additional Information

Gene ID	6777
Other Names	STAT5B
Dilution	WB~~1:1000 IHC-P~~N/A IHC-F~~N/A FC~~1:10~50 IP~~N/A
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	STAT5B
Function	Carries out a dual function: signal transduction and activation of transcription (PubMed: 29844444). Mediates cellular responses to the cytokine KITLG/SCF and other growth factors. Binds to the GAS element and activates PRL-induced transcription. Positively regulates hematopoietic/erythroid differentiation.
Cellular Location	Cytoplasm. Nucleus. Note=Translocated into the nucleus in response to phosphorylation.

Background

Stat5 is activated in response to a wide variety of ligands including IL-2, GM-CSF, growth hormone and prolactin. Stat5 is constitutively active in some leukemic cell types. Phosphorylated Stat5 is found in some

endothelial cells treated with IL-3, which suggests its involvement in angiogenesis and cell motility. Stat5a and Stat5b are independently regulated and activated in various cell types.

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