



Rabbit Anti-Human STAT5A Polyclonal Antibody (CABT-L2147)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Signal Transducer And Activator Of Transcription 5A (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against STAT5A. It has been selected for its ability to recognize STAT5A in immunohistochemical staining and western blotting.
Target	STAT5A
Immunogen	Recombinant fragment corresponding to human STAT5A (Arg673~Asp773)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Pig
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	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 found for this gene. [provided by RefSeq, Dec 2013]
---------------------	--

Keywords	MGF;STAT5-A
-----------------	-------------

GENE INFORMATION

Gene Name	STAT5A signal transducer and activator of transcription 5A [Homo sapiens (human)]
Official Symbol	STAT5A
Synonyms	STAT5A; signal transducer and activator of transcription 5A; MGF; STAT5;
Entrez Gene ID	6776
Protein Refseq	NP_001275647
UniProt ID	A8K6I5
Chromosome Location	17q11.2
Pathway	AGE/RAGE pathway; Acute myeloid leukemia; Adipogenesis; Angiopoietin receptor Tie2-mediated signaling; BDNF signaling pathway; CD40/CD40L signaling; CXCR4-mediated signaling events; Chronic myeloid leukemia;
Function	RNA polymerase II core promoter sequence-specific DNA binding; protein binding; sequence-specific DNA binding transcription factor activity; signal transducer activity;