



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

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Signal Transducer And Activator Of Transcription 5A (Knockout Validated)
<b>Specificity</b>	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.
<b>Target</b>	STAT5A
<b>Immunogen</b>	Recombinant fragment corresponding to human STAT5A (Arg673~Asp773)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Pig
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
<b>Preservative</b>	0.05% Proclin-300

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

## BACKGROUND

<b>Introduction</b>	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]
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<b>Keywords</b>	MGF;STAT5-A
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## GENE INFORMATION

<b>Gene Name</b>	STAT5A signal transducer and activator of transcription 5A [ Homo sapiens (human) ]
<b>Official Symbol</b>	STAT5A
<b>Synonyms</b>	STAT5A; signal transducer and activator of transcription 5A; MGF; STAT5;
<b>Entrez Gene ID</b>	<a href="#">6776</a>
<b>Protein Refseq</b>	NP_001275647
<b>UniProt ID</b>	<a href="#">A8K6I5</a>
<b>Chromosome Location</b>	17q11.2
<b>Pathway</b>	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;
<b>Function</b>	RNA polymerase II core promoter sequence-specific DNA binding; protein binding; sequence-specific DNA binding transcription factor activity; signal transducer activity;