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anti-STAT5B antibody (N-Term)





Overview

Overview	
Quantity:	100 μL
Target:	STAT5B
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Pig, Rabbit, Zebrafish (Danio rerio), Guinea Pig, Sheep, Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This STAT5B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human STAT5B
Sequence:	AVWIQAQQLQ GEALHQMQAL YGQHFPIEVR HYLSQWIESQ AWDSVDLDNP
Predicted Reactivity:	Cow: 93%, Dog: 100%, Goat: 86%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Sheep: 86%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against STAT5B. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

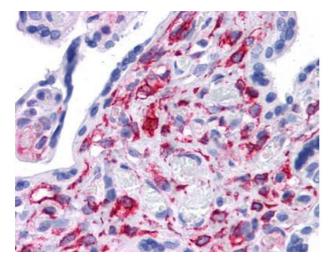
Target:	STAT5B
Alternative Name:	STAT5B (STAT5B Products)
Background:	The protein is a member of the STAT family of transcription factors. In response to cytokines
	and growth factors, STAT family members are phosphorylated by the receptor associated
	kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they
	act as transcription activators. This protein mediates the signal transduction triggered by
	various cell ligands, such as IL2, IL4, CSF1, and different growth hormones. It has been shown
	to be involved in diverse biological processes, such as TCR signaling, apoptosis, adult
	mammary gland development, and sexual dimorphism of liver gene expression. The
	dysregulation of the signaling pathways mediated by this protein may be the cause of the
	APLL. 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 mediates the signal
	transduction triggered by various cell ligands, such as IL2, IL4, CSF1, and different growth
	hormones. It has been shown to be involved in diverse biological processes, such as TCR
	signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene
	expression. This gene was found to fuse to retinoic acid receptor-alpha (RARA) gene in a small
	subset of acute promyelocytic leukemias (APLL). The dysregulation of the signaling pathways
	mediated by this protein may be the cause of the APLL. Publication Note: This RefSeq record
	includes a subset of the publications that are available for this gene. Please see the Entrez
	Gene record to access additional publications.
	Alias Symbols: STAT5
	Protein Interaction Partner: JAK2, KIT, SURF2, AARS, DPP9, NIF3L1, RPRD1B, ANKMY2,
	RPRD1A, TOM1L1, DMRTA1, AFTPH, SERTAD1, HAX1, TFG, VCAM1, UBC, INSR, IL15, APP,
	C18orf8, STAT5B, PRLR, PGR, FGFR2, POU2F1, ELP2, CENPJ, PPP2CA, STAP2, RARA, PTPN2,
	NMI, EP300, CRKL, STAT5A, GHR, NCOR2,
	Protein Size: 787
Molecular Weight:	90 kDa
Gene ID:	6777
NCBI Accession:	NM_012448, NP_036580
UniProt:	P51692
Pathways:	JAK-STAT Signaling, RTK Signaling, Response to Growth Hormone Stimulus, C21-Steroid

Hormone Metabolic Process, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, CXCR4-mediated Signaling Events, Activated T Cell Proliferation

Application Details

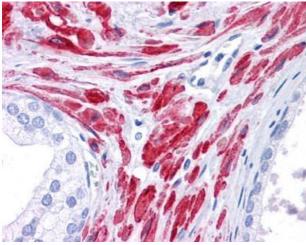
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 787 AA
Restrictions:	For Research Use only
Handling	

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



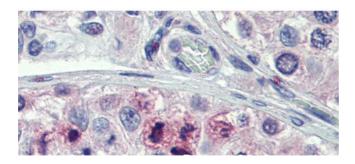
Immunohistochemistry

Image 1. Anti-STAT5B antibody IHC staining of human placenta. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



Immunohistochemistry

Image 2. Anti-STAT5B antibody IHC staining of human prostate. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



Immunohistochemistry

Image 3. Rabbit Anti-STAT5B Antibody Catalog Number: arp39000 Paraffin Embedded Tissue: Human Testis Antibody Concentration: 5 ug/ml

Please check the product details page for more images. Overall 4 images are available for ABIN2780884.