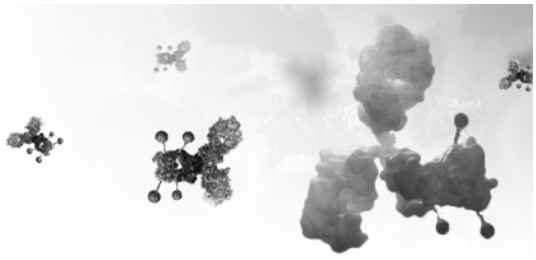

Anti-STAT5A polyclonal antibody (DPAB2630RH)

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

PRODUCT INFORMATION

Product Overview	Rabbit polyclonal to human signal transducer and activator of transcription 5A.
Antigen Description	Signal transducer and activator of transcription (STAT), named after their dual role, generally mediate cytokine, growth factor and hormone receptor signal transduction. In mammals, seven STAT proteins have been identified. STAT5 has been implicated in cellular functions of proliferation, differentiation and apoptosis with relevance to processes of hematopoiesis and immunoregulation, reproduction, and lipid metabolism. Two highly homologous STAT5 isoforms, 96kDa STAT5a and 94kDa STAT5b, are encoded by two tandemly linked genes. Although both STAT5 isoforms are roughly 95% homologous at the level of cDNA, they exhibit both redundant and non-redundant functions in vivo, probably due to differences in their transactivation domain. Aberrant regulation of STAT5 has been observed in solid tumors as well as in patients with either chronic or acute myeloid leukemia. Kinase inhibitors are currently being developed to negatively regulate STAT5 activity for clinical purposes.
Immunogen	Synthetic peptide.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB
Cellular Localization	Cytoplasm Nucleus.
Positive Control	K562 cells

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Format	HEPES with 0.15M NaCl, 0.01% BSA, 0.03% sodium azide, and 50% glycerol.
Size	100 µl
Preservative	0.03% Sodium Azide
Storage	Store for 1 year at -20 °C from date of shipment.

GENE INFORMATION

Gene Name	STAT5A signal transducer and activator of transcription 5A [Homo sapiens]
Synonyms	STAT5A; signal transducer and activator of transcription 5A; MGF; STAT5; OTTHUMP00000198376
Entrez Gene ID	6776
Protein Refseq	NP_003143
UniProt ID	A8K6I5
Chromosome Location	17q11.2
Pathway	Acute myeloid leukemia; Adipogenesis; Angiopoietin receptor Tie2-mediated signaling; CD40/CD40L signaling; CXCR4-mediated signaling events; Chronic myeloid leukemia; Downstream signal transduction; EGFR1 Signaling Pathway; EPO Receptor Signaling; EPO signaling pathway; ErbB signaling pathway; ErbB4 signaling events; IL-2 Signaling Pathway; IL-3 Signaling Pathway; IL-4 Signaling Pathway.
Function	DNA binding; protein binding; calcium ion binding; sequence-specific DNA binding transcription factor activity; signal transducer activity

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