

Product datasheet for **TA319373**

Stat5a Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:25,000, WB: 1:500 - 1:2,000
Reactivity:	Mouse, Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to residues near the carboxy terminus of mouse Stat5a protein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	signal transducer and activator of transcription 5A
Database Link:	NP_001157534 Entrez Gene 6776 Human Entrez Gene 24918 Rat Entrez Gene 20850 Mouse P42230
Synonyms:	MGF; STAT5
Note:	This antibody is suitable for Cancer, Immunology and Nuclear Signaling research. Signal transducer and activator of transcription 5 (Stat5) belongs to a family of cytoplasmic transcription factors that can be activated (phosphorylated) by a cell surface receptor. Phosphorylation at Tyr694 is obligatory for Stat5 activation. Stat5 has two isoforms, Stat5a and Stat5b. Aberrant Stat5 activation has been implicated in the pathogenesis of chronic myelogenous leukemia, prostate and breast cancer and tumor metastasis. Stat5 is localized in the cytoplasm and upon phosphorylation at Y694 is translocated to the nucleus.



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Product images:

Western blot using affinity purified anti-STAT5 antibody shows detection of Stat5 protein in HeLa cell extract (arrowhead). Primary antibody was used at a 1:600 dilution reacted overnight at 4°C. Secondary antibody was used at 1:20,000. Molecular weight estimation was made by comparison to prestained MW markers. Identity of the upper and lower bands is unknown. Personal communication, Luanne Lukes, NCI, Bethesda, MD