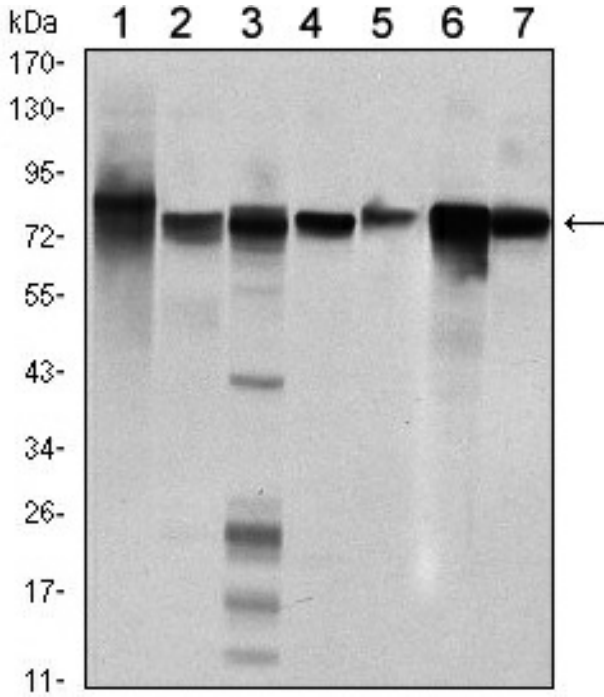
	<h1>STAT5B Antibody</h1>	E 1 0   3 0 0 7 4
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<b>Background:</b>	<p>The protein encoded by this gene is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor 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.</p>
<b>Clone Number:</b>	5B3
<b>Species:</b>	Mouse IgG1
<b>Molecular Weight:</b>	90kDa
<b>Altername:</b>	STAT5; STAT5B
<b>Entrez Gene:</b>	6777
	Purified recombinant fragment of human STAT5B expressed in

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<b>Immunogen:</b>	E. Coli.
<b>Storage/Stability:</b>	Store at 4°C, for long term storage, store at -20°C
<b>Form of Antibody:</b>	Ascitic fluid containing 0.03% sodium azide.
<b>Reactivity:</b>	Human
<b>Applications:</b>	WB ,ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.
<b>Recommended Dilutions:</b>	WB 1/500 - 1/2000.ELISA. Propose dilution 1/10000.
	 <p>Western blot analysis showing STAT5B protein expression across seven lanes. Molecular weight markers are indicated on the left: 170, 130, 95, 72, 55, 43, 34, 26, 17, and 11 kDa. Lanes 1-7 represent different cell lines. A prominent band is visible at approximately 72 kDa in all lanes, indicated by an arrow on the right. Lane 3 shows additional bands at lower molecular weights.</p>
	Figure 1. Western blot analysis using STAT5B mouse mAb against Hela (1), K562 (2), NIH/3T3 (3), C6 (4), HEK293 (5), Jurkat (6) and HL-60 (7) cell lysate.
<b>Research Area:</b>	Autophagy antibody Cancer Cardiovascular Cell Biology Epigenetics & Nuclear Signaling Developmental Biologys Immunology Drug Discovery Products Metabolism Neuroscience Signal Transduction Stem Cells