

<b>Cat. No:</b>	MAB-94616
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100 ug
<b>Clone:</b>	EP21472
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	The antiserum was produced against synthesized peptide derived from human STAT3 around the phosphorylation site of Tyr705. AA range:672-721
<b>Reactivity:</b>	Hu, Ms, Rt
<b>Applications:</b>	Western Blot: 1:1000 Immunohistochemistry: 1:200 Immunocytochemistry: 1:100 Immunofluorescence: 1:100 Immunoprecipitation: 1-2,5ug/mg lysate
<b>Molecular Weight:</b>	88kD
<b>Purification:</b>	Affinity-chromatography
<b>Synonyms:</b>	STAT3; APRF; Signal transducer and activator of transcription 3; Acute-phase response factor
<b>Background:</b>	<p>The protein encoded by this gene is a member of the STAT protein family. 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 through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. This protein mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis. The small GTPase Rac1 has been shown to bind and regulate the activity of this protein. PIAS3 protein is a specific inhibitor of this protein. Mutations in this gene are associated with infantile-onset multisystem autoimmune disease and hyper.</p>
<b>Form:</b>	liquid
<b>Buffer:</b>	RLiquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage:</b>	Store at -20°C. Do not aliquot the antibody.

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