Data Sheet (Cat.No.TMAY-01656)

Anti-Phospho-Stat5 (Tyr694) Antibody (9B347)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human; Predicted to React with:Human Phospho-Stat5A (Tyr694) and Human Phospho-Stat5B (Tyr699); Predicted to React with: Species predicted to react based on 100% sequence homology: Mouse, Rat, Cynomolgus, Bovine, Pig, Sheep
Conjugation:	Unconjugated
Clone:	9B347
Purification:	Protein A

Applications

Verified Activity:	1. Western blot analysis of extracts from serum-starved TF-1, untreated (-) or treated with GM-CSF Antibody, Rabbit MAb at 1:1000 dilution (upper) or Anti-STAT5a Antibody, Rabbit PAb, Antigen Affinity Purified at 1:500 dilution (lower). 2. Western blot analysis of extracts from serum-starved TF-1 treated with GM-CSF or antigen-specific phosphopeptide (line B) or antigen-specific peptide (line C) using Phospho-Stat5 (Tyr694) Antibody, Rabbit MAb at 1:10000 dilution. 3. Western blot analysis of extracts from serum-starved TF-1, treated with GM-CSF (100 ng/mL, 5 min) (line A); treated with GM-CSF and λ-phosphatase (line B) using Phospho-Stat5 (Tyr694) Antibody, Rabbit MAb at 1:10000 dilution. 4. Western blot analysis of extracts from serum-starved TF-1 treated with GM-CSF Antibody, Rabbit MAb at 1:5000, 1:50000, 1:500000 dilution.
Application:	WB
Recommended	WB: 1:2000-1:200000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: residues around Tyr694 of human Phospho-Stat5.
Antigen Species:	Human
Synonyms:	STAT5;Stat5 (p-Y694);Mgf;STAT5A;p-Stat5 (Tyr694);Phospho-Stat5 (Y694);STAT-5;p-Stat5 (Y694);Stat5 (p-Tyr694)

Research Background

Signal transducers and activators of transcription 5 (STAT5) has been shown to be involved in a variety of cellular processes, including survival, proliferation, invasion, angiogenesis and immune evasion and is frequently overexpressed in human solid tumors and blood malignancies. STAT5a/b species are well known as transcription factors that regulate nuclear gene expression. Using enucleated cytoplasts for a nongenomic mechanism(s)

underlying the cystic change in ER structure elicited by STAT5a/b knockdown.

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