

## Anti-Phospho-Stat5 (Tyr694) Antibody (2E826)

### Product Details

Ig Type:	Rabbit IgG Human;
Reactivity:	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:	2E826
Purification:	Protein A

### Applications

Verified Activity:	<ol style="list-style-type: none"><li>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).</li><li>2. Western blot analysis of extracts from serum-starved TF-1, untreated (line A); treated with GM-CSF (line B); treated with GM-CSF and <math>\lambda</math>-phosphatase (line C) using Phospho-Stat5 (Tyr694) Antibody, Rabbit MAb at 1:1000 dilution.</li><li>3. Western blot analysis of extracts from serum-starved TF-1, untreated (line A); treated with GM-CSF or antigen-specific phosphopeptide (line C) or antigen-specific peptide (line D) using Phospho-Stat5 (Tyr694) Antibody, Rabbit MAb at 1:1000 dilution.</li><li>4. Immunohistochemical analysis of paraffin-embedded human lung cancer, using Phospho-Stat5 (Tyr694) Antibody, Rabbit MAb at 1:50 dilution.</li><li>5. Immunohistochemical analysis of paraffin-embedded human breast cancer, untreated (left) or lambda phosphatase-treated (right), using Phospho-Stat5 (Tyr694) Antibody, Rabbit MAb at 1:50 dilution.</li></ol>
Application:	IHC-P, WB
Recommended	WB: 1:1000-1:10000; IHC-P: 1:50-1:200

### 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;STAT-5;Phospho-Stat5 (Y694);p-Stat5 (Tyr694);STAT5A;p-Stat5 (Y694);Stat5 (p-Tyr694); Stat5 (p-Y694);Mgf

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### 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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