

Anti-Phospho-Stat5 (Y694/699) STAT5A Antibody

Catalog Number: A01087Y694-2

About STAT5A

Involved in calcium induced regulation of ion channel and activation of the map kinase signaling pathway. May represent an important signaling intermediate between neuropeptide activated receptors or neurotransmitters that increase calcium flux and the downstream signals that regulate neuronal activity. Interacts with the SH2 domain of Grb2. May phosphorylate the voltage-gated potassium channel protein Kv1.2. Its activation is highly correlated with the stimulation of c-Jun N-terminal kinase activity. Involved in osmotic stress-dependent SNCA 'Tyr-125' phosphorylation.

Gluck SL, et al. (2004) J Clin Invest; 114(12): 1696-1699

Benzing T, et al. (2001) Proc Natl Acad Sci U S A; 98(17): 9784-9789

Tian D, et al. (2002) Mol Cell Biol; 22(8): 2650-2662

Lu Z, et al. (2001) Mol Cell Biol; 21(12): 4016-4031

Krishnan HH, et al. (2006) J Virol; 80(3): 1167-1180

Overview

Product Name	Anti-Phospho-Stat5 (Y694/699) STAT5A Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-Stat5 (Y694/699) STAT5A Antibody catalog # A01087Y694-2. Tested in ELISA, IHC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P42229

Technical Details

Immunogen	Synthesized peptide derived from human Stat5 around the phosphorylation site of Y694/699. At AA range: 640-720
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG

Form	Liquid
Concentration	1 mg/ml
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB 1:500-1:2000</p> <p>IHC 1:100-1:300</p> <p>ELISA 1:20000</p>

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