

Anti-Phospho-Src (Tyr530) Antibody (5Q242)

Product Details

Ig Type:	Rabbit IgG Human;
Reactivity:	Predicted to React with:Species predicted to react based on 100% sequence homology: Mouse, Rat, Cynomolgus, Chicken, Zebrafish
Conjugation:	Unconjugated
Clone:	5Q242
Purification:	Protein A

Applications

Verified Activity:	<ol style="list-style-type: none">1. Western blot analysis of extracts from serum-starved Jurkat, untreated(line A) or treated with H₂O₂(2mM, 2min; +)(line B), using Phospho-Src (Tyr530) rabbit monoclonal Antibody at 1:2000 dilution (upper) or Anti-Actin Antibody, Chimeric Rabbit Monoclonal at 1:50000 dilution (lower).2. Western blot analysis of extracts from serum-starved Jurkat, untreated (line A); treated with H₂O₂(2mM, 2min; +) (line B); treated with H₂O₂and λ-phosphatase (line C) using Phospho-Src (Tyr530) rabbit monoclonal Antibody at 1:2000 dilution. (Validation Experiment)3. Western blot analysis of extracts from serum-starved Jurkat treated with H₂O₂(2mM, 2min), using Phospho-Src (Tyr530) rabbit monoclonal Antibody at 1:10000, 1:50000, 1:200000 dilution. (Validation Experiment)
Application:	WB
Recommended	WB: 1:1000-1:10000

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 (Tyr530) of Human Phospho-Src
Antigen Species:	Human
Synonyms:	ASV;p-Src (Y530);Src (p-Y530);p60-Src;Src (p-Tyr530);p-Src (Tyr530);SRC1;THC6;Phospho-Src (Y530);c-SRC
Biology Area:	Cancer Drug Targets

Research Background

Proto-oncogene tyrosine-protein kinase SRC is a hydrophobic protein belonging to the SRC family kinase including nine members that is a family of non-receptor tyrosine kinases. SRC protein may exist in different forms: C-SRC and V-SRC. C-SRC is only activated under certain circumstances where it is required such as growth factor signaling, while V-SRC is constitutively active as opposed to normal SRC (C-SRC). Thus, V-SRC is an instructive example of an oncogene protein kinase whereas C-SRC is a proto-oncogene protein kinase. Inhibition of SRC with NR2A tyrosine phosphorylation mediated by PSD-95 may contribute to the lithium-induced downregulation of NMDA receptor function and provide neuroprotection against excitotoxicity.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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