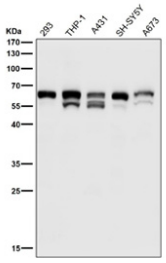
Phospho-Src Tyr529 Antibody 32S01 / Rabbit Monoclonal Phosphorylated Src Antibody [clone 32S01] (FY12031)

Catalog No.	Formulation	Size
FY12031	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA	100 ul

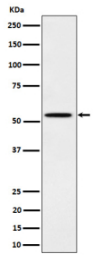
Recombinant RABBIT MONOCLONAL

Bulk quote request

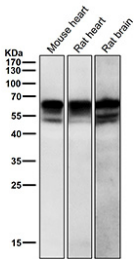
Species Reactivity	Human, Mouse, Rat
Format	Liquid
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	32S01
Purity	Affinity-chromatography
Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
UniProt	P12931
Applications	Western blot: 1:500-1:2000 Immunocytochemistry/Immunofluorescence: 1:50-1:200
Limitations	This Phospho-Src Tyr529 Antibody 32S01 is available for research use only.



All lanes use the antibody at 1:3K dilution for 1 hour at room temperature. Expected size for Phospho-Src Tyr529 Antibody 32S01 ~60 kDa. Observed (possible) doublet at ~55 kDa and ~60 kDa likely reflects full-length and slightly modified/truncated phosphorylated forms of c-Src, consistent with literature indicating Src family kinases migrate in the 55-62 kDa range.



Western blot analysis of Phospho-Src (Y529) expression in cell treated with EGF lysate. Expected size for c-Src (phospho-Tyr529) ~60 kDa. Observed (possible) doublet at ~55 kDa and ~60 kDa likely reflects full-length and slightly modified/truncated phosphorylated forms of c-Src, consistent with literature indicating Src family kinases migrate in the 55-62 kDa range.



All lanes use the Phospho-Src Tyr529 Antibody 32S01 at 1:3K dilution for 1 hour at room temperature. Expected size for c-Src (phospho-Tyr529) ~60 kDa. Observed (possible) doublet at ~55 kDa and ~60 kDa likely reflects full-length and slightly modified/truncated phosphorylated forms of c-Src, consistent with literature indicating Src family kinases migrate in the 55-62 kDa range.

Description

Phospho-Src Tyr529 Antibody 32S01 / Rabbit Monoclonal Phosphorylated Src Antibody detects Src kinase phosphorylated at tyrosine 529, a regulatory modification that maintains Src in an inactive conformation. Src is a non-receptor tyrosine kinase involved in diverse cellular pathways, including proliferation, adhesion, and cytoskeletal dynamics. Phosphorylation at Tyr529 creates an intramolecular interaction that suppresses kinase activity until signaling cues trigger dephosphorylation and activation.

Research employing Phospho-Src Tyr529 Antibody has shown that deregulation of this phosphorylation site contributes to oncogenesis. Loss of inhibitory phosphorylation at Tyr529 results in constitutively active Src, promoting tumor cell invasion, angiogenesis, and metastasis. Beyond cancer, Src regulation impacts immune signaling, bone metabolism, and neuronal communication, underscoring its broad biological relevance.

Antibodies specific for Src phosphorylated at Tyr529 are used in assays such as western blot, immunoprecipitation, and immunofluorescence. These reagents allow scientists to measure Src activation status and investigate how signaling pathways modulate its phosphorylation. Clone-validated specificity ensures recognition of only the phosphorylated form, avoiding cross-reactivity with total Src protein.

NSJ Bioreagents supplies this Phospho-Src Tyr529 Antibody to support research into cancer signaling, kinase regulation, and cellular communication. Alternate names include proto-oncogene tyrosine-protein kinase Src antibody and pp60c-Src antibody.

For additional validation of SRC expression across human and rodent samples, including knockout-controlled Western blot analysis, see our Src Antibody III-19.

Application Notes

Optimal dilution of the Phospho-Src Tyr529 Antibody 32S01 / Rabbit Monoclonal Phosphorylated Src Antibody should be determined by the researcher.

Immunogen

A synthesized peptide derived from human Phospho-Src (pY529) was used as the immunogen for the Phospho-Src (pTyr529) antibody.

Storage

Store the Phospho-Src (pTyr529) antibody at -20oC.

Alternate Names

Phospho-Src Y529 antibody, Phospho-Src pY529 antibody, Src phospho-Tyr529 antibody, Src phosphorylated Tyr529 antibody, Src phosphorylated Y529 antibody, Phospho-c-Src Tyr529 antibody, c-Src phospho-Y529 antibody, Phosphorylated c-Src antibody, SRC phosphotyrosine 529 antibody, SRC pTyr529 antibody, Src inhibitory phosphorylation site antibody, Phospho-Src Tyr529 monoclonal antibody, Phospho-Src Y529 rabbit monoclonal antibody, Phospho-Src Y529 clone 32S01 antibody, Phosphorylated Src kinase antibody

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