

Product datasheet for **AM00145BT-N**

SRC pTyr416 Mouse Monoclonal Antibody [Clone ID: 9A6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	9A6
Applications:	ELISA, FC, IF, WB
Recommended Dilution:	Western Blot: 0.5 µg/ml for HRPO/ECL detection. Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer. ELISA: 0.05 µg/ml. Flow Cytometry. Immunocytochemistry.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	Synthetic phosphopeptide conjugated to KLH
Specificity:	This antibody specifically interacts with activated src phosphorylated at Tyr 416 and with src family kinases phosphorylated at the corresponding Tyr in the activation loop. The antibody does not crossreact with the non-phosphorylated form of src nor with unrelated phosphorylation sites.
Formulation:	0.5 mg/ml in PBS/0.09% Na-Azide/PEG and Sucrose. Label: Biotin State: Liquid purified IgG fraction.
Purification:	Subsequent Thiophilic Adsorption and Size Exclusion Chromatography
Conjugation:	Biotin
Storage:	Store the antibody (Aliquote and freeze in liquid nitrogen) at -80°C. Avoid repeated freezing and thawing. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.
Stability:	Shelf life: one year from despatch.
Gene Name:	SRC proto-oncogene, non-receptor tyrosine kinase



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Database Link: [Entrez Gene 6714 Human P12931](#)

Background: Src is the best understood member of a family of nine tyrosine kinases regulating cellular responses to extracellular stimuli. Src becomes activated upon dephosphorylation of Tyr 527, leading to a conformational change of the src molecule towards an open, active conformation which allows binding to other proteins via the SH2 and SH3 domain. Activated src phosphorylates a variety of substrates involved in the mitogenic signalling pathway, cytoskeletal organization, cell-substrate adhesion, cell-cell adhesion, cell-cell communication, and RNA processing.

Synonyms: c-Src, pp60c-src

Note: **Molecular weight of antigen:** 60 kDa