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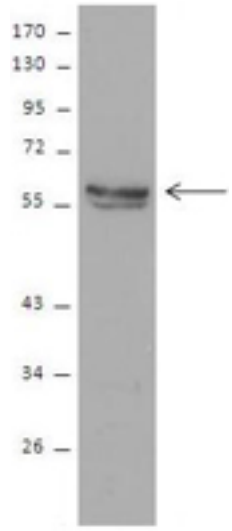
Product Data Sheet

Purified anti-c-Src

Catalog # / Size: 605401 / 50 µl (5 Western blots)
Clone: Poly6054
Isotype: Rabbit IgG
Immunogen: Recombinant (partial), N-terminal
Reactivity: Mouse, Human
Preparation: The antibody was purified by antigen-affinity chromatography.
Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.
Storage: Upon receipt, store frozen at -20° C.



HepG2 whole cell extracts were resloved by electrophoresis, transferred to nitrocellulose, and probed with purified polyclonal anti-c-Src antibody (clone Poly6054). Proteins were visualized using a donkey anti-rabbit-IgG secondary conjugated to HRP and chemiluminescence detection.

Applications:

Applications: WB - *Quality tested*
Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.
Application References: 1. Kumar P, *et al.* 2005. *J. Biol. Chem* 280:25928.PubMed

Description: c-Src (proto-oncogene tyrosine-protein kinase Src) is a 60 kD tyrosine protein kinase family containing both SH2 and SH3 domains. c-Src is expressed at high levels in differentiated cells including neurons, platelets, macrophages, many tumors. c-Src is a lipid-modified signaling molecule (myristolyated) involved in cell-cell interactions, cell migration, and proliferation through the phosphorylation of many substrates including β-catenin, paxillin, and vinculin. Phosphorylation of c-Src on Tyr-526 by Csk (c-Src kinase) represses activity; c-Src is activated by phospholipase D, insulin-like growth factor receptor, EGF-receptor, fibroblast growth factor receptor, and prolactin receptor binding. c-Src has been shown to be phosphorylated on multiple sites and to interact with polyoma virus middle T antigen, PYK2, HSP72, and caveolin. The Poly6054 antibody recognizes the N-terminal region of human and mouse c-Src and has been shown to be useful for Western blotting.

Antigen References:
1. Cooper J, *et al.* 1986. *Science* 231:1431.
2. Ahn B, *et al.* 2003. *Mol. Cell. Biol.* 23:3103.
3. Kilkenny D, *et al.* 2003. *J. Biol. Chem.* 278:17448.

Related Products:

Product	Clone	Application
Purified anti-β-catenin	Poly6001	IF, WB
Purified anti-Paxillin	Poly6007	WB, IF
Purified anti-Paxillin-Phosphorylated (Tyr31)	Poly6008	WB
Purified anti-Paxillin-Phosphorylated (Tyr118)	Poly6009	WB
Purified anti-PYK2	Poly6053	WB
Purified anti-Paxillin	PAX227	WB, IP, IF, IHC
HRP Donkey anti-rabbit IgG (minimal x-reactivity)	Poly4064	ELISA, IHC, WB

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