

Src (36D10) Rabbit mAb (Biotinylated)

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W	H M R Hm Mk B Pg	Endogenous	60	Rabbit IgG	#P12931	6714

Product Usage Information	Application Western Blotting	Dilution 1:1000
Storage	Supplied in 140 mM NaCl, 3 mM KCl, 10 mM sodium phosphate (pH 7.4) dibasic, 2 mM potassium phosphate monobasic, 2 mg/mL BSA, and 50% glycerol. Store at -20°C. <i>Do not aliquot the antibody.</i>	
Specificity/Sensitivity	Src (36D10) Rabbit mAb (Biotinylated) detects endogenous levels of total Src protein. The antibody may cross-react with other Src family members, but does not cross-react with other non-family proteins.	
Species predicted to react based on 100% sequence homology	Chicken	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human Src protein.	
Description	This Cell Signaling Technology antibody is conjugated to biotin under optimal conditions. The biotinylated antibody is expected to exhibit the same species cross-reactivity as the unconjugated Src (36D10) Rabbit mAb #2109.	
Background	The Src family of protein tyrosine kinases, which includes Src, Lyn, Fyn, Yes, Lck, Blk, and Hck, are important in the regulation of growth and differentiation of eukaryotic cells (1). Src activity is regulated by tyrosine phosphorylation at two sites, but with opposing effects. While phosphorylation at Tyr416 in the activation loop of the kinase domain upregulates enzyme activity, phosphorylation at Tyr530 in the carboxy-terminal tail by Csk renders the enzyme less active (2).	
Background References	<ol style="list-style-type: none"> 1. Thomas, S.M. and Brugge, J.S. (1997) <i>Annu Rev Cell Dev Biol</i> 13, 513-609. 2. Hunter, T. (1987) <i>Cell</i> 49, 1-4. 	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	W: Western Blotting
Cross-Reactivity Key	H: Human M: Mouse R: Rat Hm: Hamster Mk: Monkey B: Bovine Pg: Pig
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