## **SRC-1 (128E7) Rabbit mAb SRC-1 (128E7) Rabbit mAb Drders: 877-616-CELL (2355)** orders@cellsignal.com Support: **877-678-TECH (8324)** Web: info@cellsignal.com cellsignal.com **XTrask Lane | Danvers | Massachusetts | 01923 | USA**

For Research Use Only. Not for Use in Diagnostic Procedures.

<b>Applications:</b> W, IP, IHC-P, ChIP	<b>Reactivity:</b> H M R Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 180	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #Q15788	Entrez-Gene Id: 8648	
Product Usage Information		For optimal ChIP results, use 5 μl of antibody and 10 μg of chromatin (approximately 4 x 10 <sup>6</sup> cells) per IP. This antibody has been validated using SimpleChIP <sup>®</sup> Enzymatic Chromatin IP Kits.					
		<b>Application</b> Western Blotting Immunoprecipitation Immunohistochemist Chromatin IP	ry (Paraffin)		1: 1: 1:	ilution 1000 100 200 100	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody. For a carrier free (BSA and azide free) version of this product see product #53397.					
Specificity/Sensitivity		SRC-1 (128E7) Rabbit mAb detects endogenous levels of total SRC-1 protein (all three isoforms). The antibody does not cross-react with other SRC proteins, including SRC-2 and SRC-3.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to the sequence of human SRC-1 protein.					
Background		SRC-2 (TIF2/GRIP1/NC significant structural h receptors and other tr proteins, SRC-1 and SF members can recruit of methyltransferases (P many genes (5-8). The cell proliferation, cell s function, and vasopro signaling to the estroor signaling to the estroor sites and six SRC-3 ph cytokines, and growth shown that all three S breast, prostate, and o overexpressed in a nu	oA-2), and SRC-3 (A nomology and func ranscriptional activa RC-3, function as hi other histone acety RMT1, CARM1) to tr SRC proteins play survival, somatic ce tection (9). SRC-1 a gen receptor and or osphorylation sites factors and involve RC family members ovarian carcinomas mber of cancers (1	ecceptor co-activator (SR CTR/pCIP/RAC3/TRAM-1 tion to stimulate transcr ators such as Stat3, NF-k stone acetyltransferases ltransferases (CBP/p300 arget promoters and coo important roles in multip Il growth, mammary gla nd SRC-3 are conduits for ther transcriptional activ have been identified, w e multiple kinase signality are associated with incu- s are associated with incu- 2, and SRC-1/PAX3 and 5 acute myeloid leukemia	(AIB1). All SRC fami iption mediated by B, E2F1, and p53 (1 (5,6). In addition, a , PCAF) and histone operate to enhance ole physiological pr nd development, fe r kinase-mediated ators. Seven SRC-1 hich are induced by ng pathways (9-11). reased activity of nu ure, SRC-3 is freque SRC-2/MYST3 transl	ly members share nuclear hormone -4). Two SRC Ill three family expression of ocesses including male reproductive growth factor phosphorylation steroids, Research has uclear receptors in ently amplified or locations are found	
Background Re	ferences	<ol> <li>Giraud, S. et al. (200</li> <li>Na, S.Y. et al. (1998)</li> <li>Louie, M.C. et al. (200</li> <li>Lee, S.K. et al. (1999)</li> <li>Spencer, T.E. et al. (1</li> <li>Chen, H. et al. (1997)</li> <li>Koh, S.S. et al. (2001)</li> <li>Chen, D. et al. (2004)</li> <li>Rowan, B.G. et al. (2004)</li> <li>Rowan, B.G. et al. (2004)</li> <li>Torres-Arzayus, M.</li> <li>Wachtel, M. et al. (2004)</li> <li>Wachtel, M. et al. (2004)</li> </ol>	J. Biol. Chem. 273, )04) <i>Mol. Cell Biol.</i> 2 ) <i>Mol. Endocrinol.</i> 1 1997) <i>Nature</i> 389, 1 7) <i>Cell</i> 90, 569-580. 1) <i>J. Biol. Chem.</i> 276 2) <i>Science</i> 284, 2174 2) <i>Mol. Cell</i> 15, 937-5 2000) <i>J. Biol. Chem</i> 105) <i>Cancer Res.</i> 65 I. et al. (2004) <i>Cance</i> 2004) <i>Cancer Res.</i> 65 2004) <i>Cancer Res.</i> 65 2005	10831-10834. 24, 5157-5171. 3, 1924-1933. 94-198. - 1089-1098. - 2177. 949. . 275, 4475-4483. . 7976-7983. <i>cer Cell</i> 6, 263-274. 54, 5539-5545.			

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	<b>W:</b> Western Blotting <b>IP:</b> Immunoprecipitation <b>IHC-P:</b> Immunohistochemistry (Paraffin) <b>ChIP:</b> Chromatin IP			
Cross-Reactivity Key	H: Human M: Mouse R: Rat Mk: Monkey			
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