Revision 1 Estrogen Receptor α (62A3) Mouse mAb	T C	ell Signaling
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Applications: W	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 66	Source/Isotype: Mouse IgG2a	UniProt ID: #P03372	Entrez-Gene Io 2099	
Product Usage Information		Application Western Blotting			Dilution 1:1000		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less tha 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				ol and less than	
Specificity/Sensitivity		Estrogen Receptor α (62A3) Mouse mAb detects endogenous levels of estrogen receptor α. It does not cross-react with estrogen receptor beta or other family members.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ser118 of human ER alpha.					
Background		DNA binding and liga dependent activation coactivator proteins a multiple sites provide 167 are located in the phosphorylation of th be the substrate of th	nd binding domains domains (AF-1 and ind interacting with s an important mece a mino-terminal tra bese serine residues the transcription regu According to the re	he steroid receptor supe s (1). Through its estroge AF-2, respectively), ERa general transcriptional I hanism to regulate ERa nscription activation fur plays an important role ilatory kinase CDK7 (5). S search literature, phosp ients (4).	en-independent and regulates transcript machinery (2). Phos activity (3-5). Ser10 action domain AF-1, in regulating ER0 a Ser167 may be pho	l estrogen- cion by recruiting phorylation at 4, 106, 118, and and sctivity. Ser118 may sphorylated by	
Background Refer	ences	1. Mangelsdorf, D.J. et al. (1995) <i>Cell</i> 83, 835-9. 2. Glass, C.K. and Rosenfeld, M.G. (2000) <i>Genes Dev</i> 14, 121-41. 3. Chen, D. et al. (1999) <i>Mol Cell Biol</i> 19, 1002-15. 4. Campbell, R.A. et al. (2001) <i>J Biol Chem</i> 276, 9817-24. 5. Chen, D. et al. (2000) <i>Mol Cell</i> 6, 127-37. 6. Joel, P.B. et al. (1998) <i>Mol Cell Biol</i> 18, 1978-84.					
Species Reactivity	,	Species reactivity is d	etermined by testing	g in at least one approve	ed application (e.g.,	western blot).	
			vestern blots, incubate membrane with diluted primary antibody in 5% w/v nonfat .1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Key		W: Western Blotting					
Cross-Reactivity K	ey	H: Human					
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