3258

Estrogen Receptor α (D6R2W) Rabbit mAb



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

Applications: W, IF-IC, FC-FP, ChIP, ChIP-seq, C&R	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 66	Source/Isotype: Rabbit IgG	UniProt ID: #P03372	Entrez-Gene Id: 2099
Product Usage Information		For optimal ChIP and ChIP-seq results, use 10 μl of antibody and 10 μg of chromatin (approximately 4 x 10 ⁶ cells) per IP. This antibody has been validated using SimpleChIP [®] Enzymatic Chromatin IP Kits.				(approximately 4 x matin IP Kits.
		The CUT&RUN dilution Application Western Blotting Immunofluorescence Flow Cytometry (Fixed Chromatin IP Chromatin IP-seq CUT&RUN	(Immunocytochem	sing CUT&RUN Assay Kit istry)	Dili 1:10 1:11	00 - 1:400 0 - 1:200 0
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.				
Specificity/Sen	sitivity	For a carrier free (BSA and azide free) version of this product see product #63609. Estrogen Receptor α (D6R2W) Rabbit mAb recognizes endogenous levels of total estrogen receptor α protein.				
Source / Purific	ation	Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the amino terminus of human estrogen receptor α protein.				
Background		DNA binding and ligat 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 a nd interacting with s an important mecl amino-terminal tra ese serine residues e transcription regu According to the res	he steroid receptor supe (1). Through its estroge AF-2, respectively), ERa r general transcriptional r hanism to regulate ERa a nscription activation fun plays an important role latory kinase CDK7 (5). S search literature, phospl ients (4).	n-independent and egulates transcript nachinery (2). Phos activity (3-5). Ser104 ction domain AF-1, in regulating ERα a ter167 may be phos	estrogen- ion by recruiting phorylation at 4, 106, 118, and and ctivity. Ser118 may sphorylated by
Background Re	ferences	1. Mangelsdorf, D.J. et 2. Glass, C.K. and Rose 3. Chen, D. et al. (1999 4. Campbell, R.A. et al 5. Chen, D. et al. (2000 6. Joel, P.B. et al. (1998	enfeld, M.G. (2000) ()) <i>Mol Cell Biol</i> 19, 19 . (2001) <i>J Biol Chem</i>)) <i>Mol Cell</i> 6, 127-37	<i>Genes Dev</i> 14, 121-41. 002-15. 276, 9817-24.		
Species Reactiv	/ity	Species reactivity is de	etermined by testing	g in at least one approve	d application (e.g.,	western blot).
Western Blot B	uffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted haking, overnight.	primary antibody ir	1 5% w/v BSA, 1X
Applications Ke	≥y	W: Western Blotting IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized) ChIP: Chromatin IP ChIP-seq: Chromatin IP-seq C&R: CUT&RUN				
Cross-Reactivit	у Кеу	H: Human				

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