-

e at -20C	PELP1 (D5Q4W) Rabbit mAb		<b>Cell Signaling</b> TECHNOLOGY®	
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## For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB, IP, IHC-P	Reactivity: H M R	Sensitivity: Endogenous	<b>MW (kDa):</b> 160	Source/Isotype: Rabbit IgG	UniProt ID: #Q8IZL8	Entrez-Gene Id: 27043	
Product Usage	Aj	oplication			Ľ	Dilution	
Information	W	estern Blotting			1	.:1000	
	Im	munoprecipitation			1	.:200	
	Im	munohistochemistry	(Paraffin)		1	.:100	
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibody		erol and less than	
	For	a carrier free (BSA	and azide free) v	ersion of this product se	e product #75586.		
Specificity / Sensitivity		PELP1 (D5Q4W) Rabbit mAb recognizes endogenous levels of total PELP1 protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly966 of human PELP1 protein.					
Background	sig Thi a c des cor rec coa PE car aci his sup	naling through direct s versatile protein al ytoplasmic scaffold p scription as an estrog epresses multiple nu eptor, glucocorticoid activator CARM1 at E LP1 protein contains boxy-terminal glutam d-rich region of PELF tone proteins and ac	interaction with h so regulates geno protein to mediate gen receptor α (E iclear hormone re receptor, AP1, al ERα target gene p several leucine- nic acid-rich doma P1 binds to hypoa etyltransferases. onse gene activa	acid, and leucine rich p pormone nuclear recepto e expression by participa growth factor and horm $R\alpha$ ) coactivator (2), add eceptors and transcription nd Stat3 (3). PELP1 also promoters to increase E rich repeats, important fr ain responsible for histo acetylated histones H3 a This interaction maintai tion. Interaction betwee eins (3).	ors to regulate target g ating in chromatin rem none signaling (1). Fol itional research showe onal regulators, includi o acts cooperatively w Rα-mediated transacti or interaction with nuc ne protein interaction and H4 to block interact ns histones in a hypoa	gene transcription. nodeling, and acts as llowing its original ed that PELP1 ing progesterone vith the secondary ivation (4). The clear receptors, and a (2). The glutamic ction between acetylated state and	
	car pro	ncers, such as ovaria gnostic marker for h	n, breast, and pr ormone-depende	egulation of PELP1 in se ostate cancers (5-7). As nt cancers, and inhibitin initiation, progression, a	a result, PELP1 may g PELP1 expression of	be a promising	
Background Refere	2. \ 3. C 4. M 5. E 6. \ 7. N	Girard, B.J. et al. (20: /adlamudi, R.K. et al Choi, Y.B. et al. (2004 Mann, M. et al. (2013 Dimple, C. et al. (2000 /adlamudi, R.K. et al Nair, S.S. et al. (2007 Chakravarty, D. et al.	. (2001) J Biol Cl 4) J Biol Chem 27 5) Carcinogenesis 8) Cancer Res 6 . (2005) Cancer I 7) Mol Endocrinol	nem 276, 38272-9. 79, 50930-41. 34, 1468-75. 8, 4902-9. Res 65, 7724-32. 21, 613-24.			
Species Reactivity	Spe	cies reactivity is dete	ermined by testing	g in at least one approve	ed application (e.g., w	estern 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.					

1/1/24, 8:09 AM	PELP1 (D5Q4W) Rabbit mAb (#96986) Datasheet Without Images Cell Signaling Technology				
Applications Key	WB: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin)				
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected				
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