## PITSLRE/CDK11 (D88B3) Rabbit mAb





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Applications: W, IP	<b>Reactivity:</b> H M Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 110	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #P21127	<b>Entrez-Gene Id:</b> 984
Product Usage Information	2	<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:50	
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/Ser	nsitivity	PITSLRE/CDK11 (D88B3) Rabbit mAb recognizes endogenous levels of total PITSLRE/CDK11 protein. This antibody will detect the full-length (CDK11 <sup>p110</sup> ) and is predicted to detect the alternate transcript (CDK11 <sup>p58</sup> ) of PITSLRE/CDK11. The antibody is predicted to detect both PITSLREA/CDK11B and PITSLREB/CDK11A.				
Species predic based on 100% homology		Rat				
Source / Purifi	cation			nunizing animals with a s PITSLRE/CDK11 protein.		prresponding to
Background		gene (1). <i>CDK11A</i> and PITSLREA respectively, PITSLRE/CDK11 (comn cycle whereas a smalle expressed only during formation (3-5). During caspases to generate kinase domain of PITS 8). Full length PITSLRE demonstrated by the o	<i>CDK11B</i> encode ne both belonging to nonly referred to as er, alternate transci the G2/M transition g induction of apop p110C, an approxir LRE/CDK11 that int /CDK11 (CDK11 <sup>p110</sup> observation that CI	ion kinase 11 (CDK11), is early identical serine/thr the p34 <sup>CDC2</sup> family of pi s CDK11 <sup>p110</sup> ) is expresse ript (CDK11 <sup>p58</sup> ), the resul on where it promotes cer ptosis by Fas or TNF, or a nately 46 kDa protein th teracts with and inhibits appears to participate DK11 <sup>p110</sup> interacts with r CDK11 <sup>p110</sup> can phosphor	eonine protein kina: rotein kinases (2). Fu d ubiquitously throu lt of internal ribosor ntrosome maturatio noikis, PITSLRE/CDI at contains the cata p21-activated kinas in pre-mRNA splicir numerous splicing fa	ses, PITSLREB and ull-length ughout the cell mal entry, is in and spindle K11 is cleaved by lytically active e (PAK1) activity (6- ng events. This is actors including
Background R	eferences	1. Gururajan, R. et al. ( 2. Xiang, J. et al. (1994) 3. Cornelis, S. et al. (20 4. Petretti, C. et al. (20 5. Wilker, E.W. et al. (20 6. Chen, S. et al. (2003) 7. Lahti, J.M. et al. (199 8. Ariza, M.E. et al. (199 9. Hu, D. et al. (2003) / 10. Loyer, P. et al. (199 11. Dickinson, L.A. et a	) <i>J Biol Chem</i> 269, 1 )00) <i>Mol Cell</i> 5, 597 06) <i>EMBO Rep</i> 7, 4' )07) <i>Nature</i> 446, 32 ) <i>J Biol Chem</i> 278, 2 )5) <i>Mol Cell Biol</i> 15, 99) <i>J Biol Chem</i> 274 <i>Biol Chem</i> 278, 862 8) <i>J Cell Sci</i> 111 (Pt	5786-94. -605. 18-24. 9-32. 0029-36. 1-11. , 28505-13. 23-9. 11), 1495-506.		
Species Reacti	vity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot E	Buffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted shaking, overnight.	primary antibody ir	ר 5% w/v BSA, 1X
Applications K	ey	W: Western Blotting I	<b>?:</b> Immunoprecipita	ation		
Cross-Reactivi	ty Key	H: Human M: Mouse N	<b>Mk:</b> Monkey			

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