

Securin (D2B6O) Rabbit mAb



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Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 25	Source/Isotype: Rabbit IgG	UniProt ID: #O95997	Entrez-Gene Id: 9232
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:200	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Securin (D2B6O) Rabbit mAb recognizes endogenous levels of total securin protein. Based on western blot of overexpressed proteins, this antibody will also recognize securin 2 (PTTG2) to a lesser extent.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val19 of human securin (PTTG1) protein.				
Background		and cell migration. The inhibiting the protease for sister chromatid se transition (3). Securin rapoptosis (4). Research polarization, and cell nas a biomarker for hurencodes for securin pr	e securin protein pi e separase, which c gregation (1,2). In negatively affects t n studies indicate t nigration (5). Additi nan breast cancer otein, while the hig ecurin 2 (PTTG2) pr	butes to mitotic checkpy revents premature separaleaves the cohesin comprouse oocytes, securing transcriptional activitional securin plays a role if onal research indicates (6-8). The pituitary tumo phly homologous securing tein lacks the ability to igration (9,10).	ration of sister chro plex at the onset of regulates cyclin B s y of p53, preventing n microtubule nucl that securin expres r-transforming ger n 2 protein is transo	matids by anaphase to allow tability and G2/M g p53-regulated eation, cell sion may be useful e 1 (<i>PTTG1</i>) cribed from the
Background References		 Yanagida, M. (2005) <i>Philos Trans R Soc Lond B Biol Sci</i> 360, 609-21. Wirth, K.G. et al. (2006) <i>J Cell Biol</i> 172, 847-60. Marangos, P. and Carroll, J. (2008) <i>Nat Cell Biol</i> 10, 445-51. Bernal, J.A. et al. (2002) <i>Nat Genet</i> 32, 306-11. Moreno-Mateos, M.A. et al. (2011) <i>Mol Biol Cell</i> 22, 4302-11. Talvinen, K. et al. (2013) <i>APMIS</i> 121, 945-53. Talvinen, K. et al. (2009) <i>Br J Cancer</i> 101, 1005-10. Ogbagabriel, S. et al. (2005) <i>Mod Pathol</i> 18, 985-90. Han, X. and Poon, R.Y. (2013) <i>Mol Cell Biol</i> 33, 3400-15. Méndez-Vidal, C. et al. (2013) <i>Cell Death Dis</i> 4, e530. 				

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

W: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key

H: Human

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