13445 Store at -200

## Securin (D2B6O) Rabbit mAb



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Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	<b>MW (kDa):</b> 25	Source/Isotype: Rabbit IgG	UniProt ID: #O95997	Entrez-Gene Id 9232	
Product Usage Information	Aŗ	oplication		Dilution			
	W	estern Blotting			1:1000		
	Im	munoprecipitation			1:200		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at $-20^{\circ}$ C. Do not aliquot the antibody.					
Specificity / Sensit	,	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	cell pro chr Sec Res mig hur whi (PT	I migration. The secutease separase, whicomatid segregation (curin negatively affects search studies indicagration (5). Additional man breast cancer (6) the highly homolo	irin protein preveich cleaves the co (1,2). In mouse of its the transcription ate that securin plans research indicate (5-8). The pituitary gous securin 2 pi	butes to mitotic checkpints premature separation shesin complex at the or pocytes, securin regulate anal activity of p53, prevays a role in microtubul es that securin express tumor-transforming gerotein is transcribed from it separase activity and	on of sister chromatids in set of anaphase to all is cyclin B stability and venting p53-regulated e nucleation, cell polation may be useful as a ne 1 (PTTG1) encodes in the related PTTG2 of	by inhibiting the low for sister I G2/M transition (3). apoptosis (4). rization, and cell a biomarker for s for securin protein, gene. Securin 2	
Background Refer	2. V 3. N 4. E	<ol> <li>Yanagida, M. (2005) Philos Trans R Soc Lond B Biol Sci 360, 609-21.</li> <li>Wirth, K.G. et al. (2006) J Cell Biol 172, 847-60.</li> <li>Marangos, P. and Carroll, J. (2008) Nat Cell Biol 10, 445-51.</li> <li>Bernal, J.A. et al. (2002) Nat Genet 32, 306-11.</li> <li>Moreno-Mateos, M.A. et al. (2011) Mol Biol Cell 22, 4302-11.</li> <li>Talvinen, K. et al. (2013) APMIS 121, 945-53.</li> <li>Talvinen, K. et al. (2009) Br J Cancer 101, 1005-10.</li> </ol>					

**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** 

WB: Western Blotting IP: Immunoprecipitation

**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

8. Ogbagabriel, S. et al. (2005) Mod Pathol 18, 985-90. 9. Han, X. and Poon, R.Y. (2013) Mol Cell Biol 33, 3400-15. 10. Méndez-Vidal, C. et al. (2013) Cell Death Dis 4, e530.

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