S100A6 (D3H3W) Rabbit mAb





Orders:	877-616-CELL (2355) orders@cellsignal.com
Support:	877-678-TECH (8324)
Web:	info@cellsignal.com cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: W, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 10	Source/Isotype: Rabbit IgG	UniProt ID: #P06703	Entrez-Gene Id: 6277	
Product Usage Information	2	Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50		
Storage				ō), 150 mM NaCl, 100 μg ot aliquot the antibody.		ol and less than	
Specificity/Sensitivity		S100A6 (D3H3W) Rabbit mAb recognizes endogenous levels of total S100A6 protein. This antibody also cross-reacts with unidentified proteins at 40 kDa and 60 kDa.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp65 of human S100A6 protein.					
Background		Despite their relatively small size (8-12 kDa) and uncomplicated architecture, S100 proteins regulate a variety of cellular processes, such as cell growth and motility, cell cycle progression, transcription, and differentiation. To date, 25 members have been identified, including S100A1-S100A18, trichohyalin, filaggrin, repetin, S100P, and S100Z, making it the largest group in the EF-hand, calcium-binding protein family. Interestingly, 14 S100 genes are clustered on human chromosome 1q21, a region of genomic instability. Research studies have demonstrated that significant correlation exists between aberrant S100 protein expression and cancer progression. S100 proteins primarily mediate immune responses in various tissue types but are also involved in neuronal development (1-4).					
		divalent cation in som homo- or heterodime sometimes calcium-in members show restric display unique proteir signaling pathways. Ir	e instances). Struct rs that coordinate b dependent) manne tted tissue distribut n binding partners, n addition to an intr	motifs and can bind up t ural evidence shows tha pinding partner proximit rr. Although structurally cion, are localized in spe- which suggests that eac racellular role, some S10 secreted and exhibit cyt	at S100 proteins forr by in a calcium-depe and functionally sim cific cellular compar ch plays a specific rc 0 proteins have bee	n antiparallel ndent (and hilar, individual tments, and he in various en shown to act as	
		regulation (6). In addit annexins in a calcium	tion, S100A6 interad	r of cellular processes, ir cts with a number of pro (7,8). Research studies auses a decrease in cell	oteins such as SIP, G demonstrate that a	APDH, and	
Background R	eferences	1. Heizmann, C.W. et a 2. Donato, R. (2003) <i>M</i> 3. Marenholz, I. et al. (4. Santamaria-Kisiel, L 5. Okazaki, K. et al. (19 6. Breen, E.C. and Tany 7. Nowotny, M. et al. (20 8. Filipek, A. and Wojd 9. Bao, L. et al. (2012)	licrosc Res Tech 60, (2004) Biochem Bio et al. (2006) Bioch (2006) Biol Chem 269 (2003) J Biol Chem 2 (2003) J Biol Chem 2 (1996) Biochel	540-51. phys Res Commun 322, em J 396, 201-14. 9, 6149-52. ochem 88, 848-54. 78, 26923-8. m J 320 (Pt 2), 585-7.	1111-22.		
Species Reacti	vity	Species reactivity is de	etermined 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	P: Immunoprecipita	ation			

Cross-Reactivity Key	H: Human M: Mouse R: Rat Mk: Monkey
Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. XP is a registered trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.
Limited Uses	Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.
	Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST product or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.