## HMGN1 (D1I5O) 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, IF-IC	Reactivity: H Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 18	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #P05114	Entrez-Gene Id: 3150		
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation Immunofluorescence (	Immunocytochem	istry)		<b>Dilution</b> 1:1000 1:50 1:1000		
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/Sens	itivity	HMGN1 (D1I5O) Rabbit not cross-react with oth	t mAb recognizes endogenous levels of total HMGN1 protein. This antibody does her HMGN proteins.					
Source / Purifica	ation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val32 of human HMGN1 protein.						
Background		High mobility group (H that bind DNA without regulate access to the u (HMGN1-5), is characte charged domain, a nuc (1,2). HMGN proteins fu transcription factors, si where they can facilitat nucleosomal DNA and histone H1 for nucleosi translational histone m H2A at Ser1 and increa the activity of several c	MG) proteins are a sequence specifici underlying DNA. Tl crized by the presence cleosome binding of unction in transcript uch as estrogen re te either gene active reduce compaction ome binding (6). In nodifications, decreasing acetylation of hromatin-remodel	superfamily of abundar ty and induce structural ne HMGN family of prote- nce of several conserved lomain, and an acidic C-to ptional regulation and ar ceptor $\alpha$ (ER $\alpha$ ), serum re- vation or repression (3-5) n of the chromatin fiber, addition, HMGN proteir casing phosphorylation of histone H3 at Lys14 (7-9) ing factors and restrict m	nt and ubiquitous n changes to the chro sins, which includes protein domains: a cerminal chromatin- e recruited to gene sponsive factor (SRI ). HMGN proteins bi in part by competin ns act to modulate I of histone H3 at Ser )). HMGN proteins c ucleosome mobility	Jclear proteins Smatin fiber to five members positively unfolding domain promoters by F), and PITX2, nd specifically to g with linker ocal levels of post- 10 and histone an also modulate $\prime$ (10).		
Background Ref	ferences	1. Hock, R. et al. (2007) 2. Gerlitz, G. <i>Biochim B</i> 3. Zhu, N. and Hansen, 4. Amen, M. et al. (2005 5. Belova, G.I. et al. (2006) 6. Catez, F. et al. (2002) 7. Lim, J.H. et al. (2004) 9. Postnikov, Y.V. et al. (2004) 10. Rattner, B.P. et al. (2005)	Trends Cell Biol 17 biophys Acta 1799, 3 U. (2007) Mol Cell 3) Nucleic Acids Re. 08) J Biol Chem 283 EMBO Rep 3, 760- EMBO J 24, 3038-4 Mol Cell 15, 573-8 (2006) Biochemistry 2009) Mol Cell 34, 6	, 72-9. 80-5. <i>Biol</i> 27, 8859-73. s 36, 462-76. 3, 8080-8. 6. 8. 4. y 45, 15092-9. 20-6.				
Species Reactivi	ity	Species reactivity is det	termined by testing	g in at least one approve	d application (e.g.,	western blot).		
Western Blot Bı	uffer	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.				5% w/v BSA, 1X		
Applications Ke	у	W: Western Blotting IP	: Immunoprecipita	tion <b>IF-IC:</b> Immunofluor	escence (Immunocy	/tochemistry)		
Cross-Reactivity	/ Key	H: Human Mk: Monkey	/					
Trademarks and	d Patents	Cell Signaling Technolo	ogy is a trademark	of Cell Signaling Technol	ogy, Inc.			
		All other trademarks ar more information.	re the property of t	heir respective owners.	Visit cellsignal.com/	trademarks for		

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 products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent 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.