Revision 1

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Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 28	Source/Isotype: Rabbit	UniProt ID: #P26583	Entrez-Gene Id: 3148
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sen	sitivity	HMGB2 Antibody recognizes endogenous levels of total HMGB2 protein. This antibody does not cro react with other HMGB proteins.			dy does not cross-	
Species predict based on 100% homology	ed to react sequence	Hamster, Bovine, Dog,	, Horse, Guinea Pig			
Source / Purific	ation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly171 of human HMGB2 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		High mobility group p HMG box domains (1, domains and a C-term (2). HMGB2 is widely e and testis in adult anin varies, the biochemica box domains facilitate bending of the DNA d of site-specific DNA bi and HMGB2 facilitate receptor proteins to th facilitate RAG complex and subsequent VDJ c nucleus, HMGB protei HMGB2 is secreted by binding to the receptor that HMGB2 overexpr survival time (8).	rotein B2 (HMGB2) 2). All three family r ninal acidic domain. expressed during er mals (3). HMGB3 is al properties of the the binding of HM ouble helix (1,2). HM nding proteins to th the binding of Hox heir target gene prot c binding to the reco leavage at antigen rns play a significant r myeloid cells and p or for advanced glyo ession in hepatocel	belongs to a family of hi nembers (HMGB1, HMG HMGB1 is a widely expr nbryonic development, I only expressed during e different family member GB proteins to the mino MGB proteins are recruit neir cognate binding site proteins, Oct proteins, p omoters (1,2). Furthermo ombinant signal sequen receptor genes (5,6). In a t role in extracellular sig promotes proliferation a cation endproducts (RAG lular carcinoma is associ	ighly conserved pro B2, and HMGB3) co essed and highly al out it is restricted to mbryogenesis (4). V rs may be indistingur r groove of DNA, wi ed by and help faci es in chromatin. For 53, Rel proteins, an ore, HMGB2 interac ce (RSS) and stimul addition to their fur naling associated w nd migration of end iE) (7). Research stu iated with poor pro	teins that contain ntain two HMG box bundant protein b lymphoid organs While expression uishable. The HMG hich results in local litate the assembly example, HMGB1 nd steroid hormone ts with RAG1 to ate DNA-bending nctions in the vith inflammation. dothelial cells by idies have shown gnosis and shorter
Background Re	ferences	1. Thomas, J.O. and Tr. 2. Müller, S. et al. (200- 3. Ronfani, L. et al. (20 4. Vaccari, T. et al. (199 5. Zhang, M. and Swar 6. Aidinis, V. et al. (199 7. Pusterla, T. et al. (20 8. Kwon, J.H. et al. (20	avers, A.A. (2001) <i>Tr</i> 4) <i>J Intern Med</i> 255, 001) <i>Development</i> 1: 98) <i>Genomics</i> 49, 24 nson, P.C. (2009) <i>BN</i> 99) <i>Mol Cell Biol</i> 19, 009) <i>Autoimmunity</i> 10) <i>Clin Cancer Res</i>	rends Biochem Sci 26, 16 332-43. 28, 1265-73. 17-52. <i>1C Mol Biol</i> 10, 24. 6532-42. 42, 308-10. 16, 5511-21.	.7-74.	
Species Reactiv	ity	Species reactivity is de	etermined by testing	g in at least one approve	ed application (e.g.,	western blot).
Western Blot B	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.				
Applications Ke	ey	W: Western Blotting				

Cross-Reactivity Key	H: Human M: Mouse R: Rat Mk: Monkey
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