For Research Use Only

## HMGB2 Polyclonal antibody Catalog Number: 14597-1-AP Featured Product 19

Featured Product 19 Publications



Basic Information	Catalog Number: 14597-1-AP	GenBank Accession Number: BC001063 Genel D (NCBI):		Purification Method: Antigen affinity purification Recommended Dilutions: WB 1:500-1:3000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
	Size:			
	150ul , Concentration: 900 ug/ml by	3148		
	Nanodrop and 400 ug/ml by Bradford			
	method using BSA as the standard;			
	Source: Rabbit	Full Name: high-mobility group	IF/ICC 1:200-1:800	
	lsotype: IgG	Calculated MW: 24 kDa		
	Immunogen Catalog Number: AG6135	Observed MW: 33-35 kDa		
Applications	Tested Applications:			trols:
	WB, IF/ICC, IP, ELISA Cited Applications: WB, IF			
			cerebellum tissue, K-562 cells IP : HEK-293 cells,	
	Species Specificity:		IHC : mouse brain tissue,	
	human, mouse, rat		IF/ICC : Hep	
	Cited Species: human, mouse, rat		in nee nep	Jz cetts,
	buffer pH 6.0			
Background Information	HMGB2 is widely expressed during er adult animals (11262228). HMGB3 is biochemical properties of the differen- the binding of HMGB proteins to the n HMGB proteins are recruited by and h cognate binding sites in chromatin. F- proteins, p53, Rel proteins, and steroi- (11246022,14871457). Furthermore, H recombinant signal sequence (RSS) a genes (19317908,10490593). In addi extracellular signaling associated wi proliferation and migration of endoth (RAGE) (19811285). Research studies	nree family members hain. HMGB1 is a wide mbryonic developme only expressed durin, nt family members m ninor groove of DNA, elp facilitate the asse or example, HMGB1 a d hormone receptor p HMGB2 interacts with nd stimulate DNA-be tion to their functions th inflammation. HM helial cells by binding have shown that HM	(HMGB1, HMGB2 ely expressed an nt, but it is restri- g embryogenesi: ay be indistingu which results in l embly of site-spe ind HMGB2 facili roteins to their ta RAG1 to facilitai nding and subsec is in the nucleus, H GB2 is secreted b g to the receptor i GB2 overexpress	2, and HMGB3) contain two HMG box d highly abundant protein (14871457). cted to lymphoid organs and testis in s (9598312). While expression varies, t iishable. The HMG box domains facilita local bending of the DNA double helix ceific DNA binding proteins to their tate the binding of Hox proteins, Oct arget gene promoters te RAG complex binding to the quent VDJ cleavage at antigen recepto HMGB proteins play a significant role ir by myeloid cells and promotes for advanced glycation endproducts sion in hepatocellular carcinoma is
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20ul sizes contain 0.1% BSA

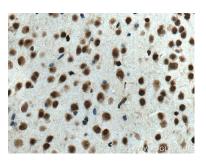
in USA), or 1(312) 455-8498 (outside USA)

W: ptglab.com

other manufacturer.

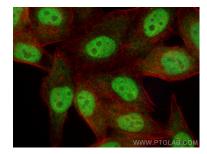
## Selected Validation Data



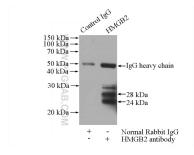


Jurkat cells were subjected to SDS PAGE followed by western blot with 14597-1-AP (HMGB2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 14597-1-AP (HMGB2 antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HMGB2 antibody (14597-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



IP result of anti-HMGB2 (IP:14597-1-AP, 4ug; Detection:14597-1-AP 1:500) with HEK-293 cells lysate 1200ug.