

For Research Use Only

HMGB4 Polyclonal antibody

Catalog Number: 12787-1-AP **1 Publications**



Basic Information

Catalog Number: 12787-1-AP	GenBank Accession Number: BC021180	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 260 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 127540	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: high-mobility group box 4	
Isotype: IgG	Calculated MW: 186 aa, 22 kDa	
Immunogen Catalog Number: AG3503	Observed MW: 22-25 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse testis tissue, human testis tissue
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: human	

Background Information

High mobility group protein B4 (HMGB4) is a new member in the family of HMGB proteins. Unlike other HMGB-proteins, it is a mammalian specific protein that has two HMGB-boxes but lacks the acidic tail. HMGB4 is strongly and preferentially expressed in the adult mouse testis and weakly in the brain, but not in many other tissues (PMID: 18987332). It binds strongly to nuclear structures, regulates chromatin and mediates differentiation of neuronal cells (PMID: 27608812).

Notable Publications

Author	Pubmed ID	Journal	Application
Kaiwen Zhang	34050127	Cell Death Dis	WB

Storage

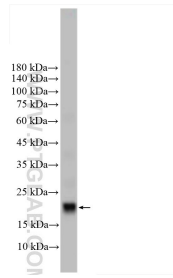
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

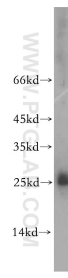
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 12787-1-AP (HMGB4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



human testis tissue were subjected to SDS PAGE followed by western blot with 12787-1-AP (HMGB4 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.