

For Research Use Only

HMGB4 Polyclonal antibody

Catalog Number: 12787-1-AP

1 Publications



Basic Information

Catalog Number:

12787-1-AP

Size:

150ul, Concentration: 260 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3503

GenBank Accession Number:

BC021180

GeneID (NCBI):

127540

UNIPROT ID:

Q8WW32

Full Name:

high-mobility group box 4

Calculated MW:

186 aa, 22 kDa

Observed MW:

22-25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB : mouse testis tissue, human testis tissue

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

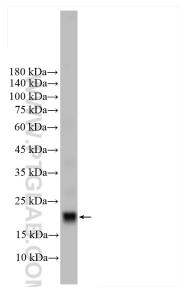
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

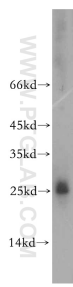
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.