

HMGB4 Polyclonal antibody

Catalog Number: 12787-1-AP

1 Publications

Basic Information

Catalog Number:

12787-1-AP

Size:

500 µg/ml

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

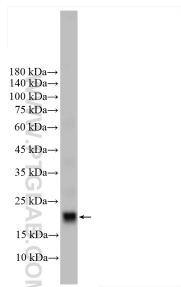
For technical support and original validation data for this product please contact:

T: 4006900926

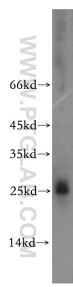
E: Proteintech-CN@ptglab.comW: ptgcn.com

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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.