

For Research Use Only

# ZNF238/ZBTB18 Polyclonal antibody

Catalog Number: 12714-1-AP

Featured Product

14 Publications



## Basic Information

### Catalog Number:

12714-1-AP

### Size:

900 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3406

### GenBank Accession Number:

BC036677

### GeneID (NCBI):

10472

### UNIPROT ID:

Q99592

### Full Name:

zinc finger protein 238

### Calculated MW:

531 aa, 59 kDa

### Observed MW:

48 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IHC, IF, CoIP, ChIP, RIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB** : mouse cerebellum tissue, mouse heart tissue, mouse brain tissue, mouse kidney tissue, rat heart tissue

**IP** : rat brain tissue,

**IHC** : mouse brain tissue, mouse skin tissue

## Background Information

ZNF238 is a member of the BTB/POZ-ZF protein family, which involve in development and cancer formation, for example BCL-6, PLZF, and HIC-1. It's a transcriptional repressor involve in myogenesis and brain development. By directly repressing the expression of two skeletal myogenesis inhibitors, ID2 and ID3, ZNF238 plays a key role in myogenesis. It can control cell division of progenitor cells and regulating the survival of postmitotic cortical neurons. Besides, ZNF238 involves in the organization of nuclear chromosomes, for its specific binding to the consensus DNA sequence that contains the E box core, and recruiting chromatin remodeling multi-protein complex. ZNF238 proteins has apparent molecular masses of 60 and 48 kD. Specific binding is found for a 60-kDa band which corresponds to the full length of RP58 protein. In addition, a 48-kDa band, thought to be the truncated form 2 is detected (PMID: 9756912).

## Notable Publications

Author	Pubmed ID	Journal	Application
Francesca Cargnin	30392794	Neuron	ChIP
Roberto Ferrarese	36414381	Life Sci Alliance	IF
Isabel A Hemming	31112317	Hum Mutat	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:

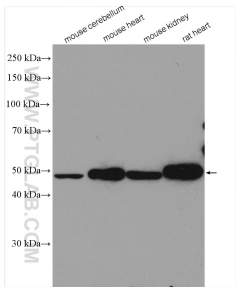
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

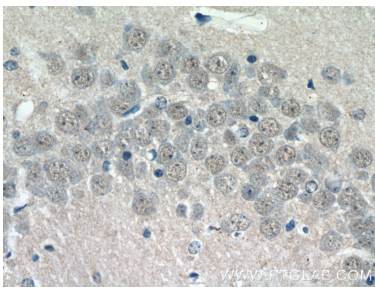
W: [ptgcn.com](http://ptgcn.com)

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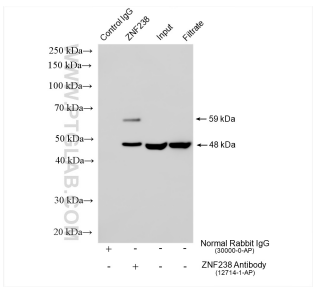
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12714-1-AP (ZNF238 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12714-1-AP (ZNF238 Antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-ZNF238/ZBTB18 (IP:12714-1-AP, 4ug; Detection:12714-1-AP 1:3000) with rat brain tissue lysate 1880 ug.