For Research Use Only

ZNF238/ZBTB18 Recombinant antibody

Catalog Number:86544-3-RR

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Basic Information

Catalog Number:
86544-3-RR

Concentration:
1000 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:
Protein A purification

CloneNo.:
251389B9

Recommended Dilutions:
WB: 1:5000-1:50000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : mouse cerebellum tissue, rat cerebellum 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).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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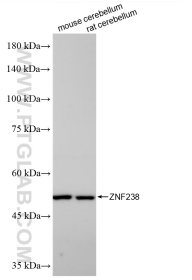
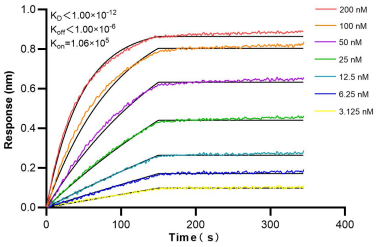
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86544-3-RR (ZNF238 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86544-3-RR against Human ZNF238/ZBTB18 were performed. The affinity constant is below 1 pM.