

For Research Use Only

# ZNF238/ZBTB18 Recombinant antibody, PBS Only

Catalog Number: 86544-3-PBS



## Basic Information

<b>Catalog Number:</b> 86544-3-PBS	<b>GenBank Accession Number:</b> BC036677	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10472	<b>CloneNo.:</b> 251389B9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q99592	
<b>Isotype:</b> IgG	<b>Full Name:</b> zinc finger protein 238	
<b>Immunogen Catalog Number:</b> AG3406	<b>Calculated MW:</b> 531 aa, 59 kDa	
	<b>Observed MW:</b> 48 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## 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

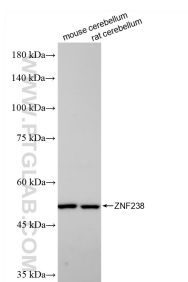
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

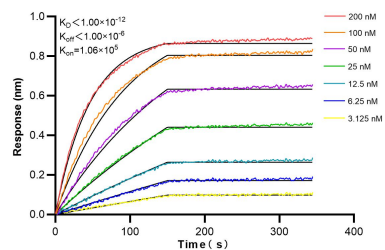
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## Selected Validation Data



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. This data was developed using the same antibody clone with 86544-3-PBS in a different storage buffer formulation.



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