

ZNF238 Polyclonal antibody

 Catalog Number: 12714-1-AP 11 Publications

Basic Information

Catalog Number: 12714-1-AP	GenBank Accession Number: BC036677	Purification Method: Antigen affinity purification
Size: 900 µg/ml	GeneID (NCBI): 10472	Recommended Dilutions: WB 1:2000-1:10000
Source: Rabbit	UNIPROT ID: Q99592	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: zinc finger protein 238	IHC 1:20-1:200
Immunogen Catalog Number: AG3406	Calculated MW: 531 aa, 59 kDa	
	Observed MW: 48 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : mouse cerebellum tissue, mouse heart tissue, mouse brain tissue, mouse kidney tissue, rat heart tissue
Cited Applications: WB, IF, RIP, IHC, ColP, ChIP	IP : mouse cerebellum tissue,
Species Specificity: human, mouse, rat	IHC : mouse brain tissue, mouse skin tissue
Cited Species: human, rat, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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

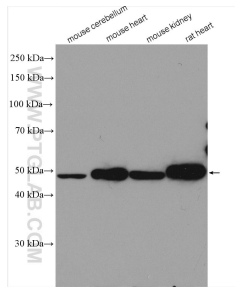
Storage

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.

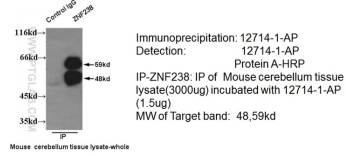
Aliquoting is unnecessary for -20°C storage

Selected Validation Data

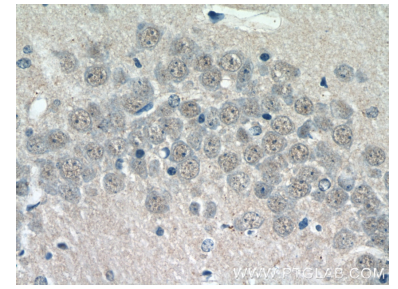


Various lysates were subjected to SDS PAGE followed by western blot with 12714-1-AP (ZNF238 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.

IP & WB of 12714-1-AP with Mouse cerebellum tissue



IP result of anti-ZNF238 (12714-1-AP for IP and Detection) with mouse cerebellum tissue.



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