

For Research Use Only

RCOR2 Polyclonal antibody

Catalog Number: 23969-1-AP **2 Publications**



Basic Information

Catalog Number: 23969-1-AP	GenBank Accession Number: BC023587	Purification Method: Antigen Affinity purified
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 273 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 283248	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: REST corepressor 2	
Isotype: IgG	Calculated MW: 523 aa, 58 kDa	
Immunogen Catalog Number: AG21112	Observed MW: 58 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : Jurkat cells, HEK-293 cells IHC : mouse embryo tissue,
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: human	
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

In mammals, the CoREST (corepressor for element-1-silencing transcription factor) complex is a chromatin-modifying structure that, through interactions with NRSF (neuron restrictive silencer factor), regulates neuronal gene expression and neuronal cell fate. RCOR2 (REST corepressor 2) and RCOR3 (REST corepressor 3) are nuclear proteins that each contain one ELM2 domain and two SANT domains. RCOR2 and RCOR3, both members of the CoREST family, are thought to function as components of the CoREST complex, possibly playing a role in the transcriptional repression of neuronal genes. Additionally, RCOR2 and RCOR3, in conjunction with CoREST, can form immunocomplexes with a variety of histone-modifying genes, including G9a and HDAC1. Via these protein complexes, RCOR2 and RCOR3 can further regulate transcription by controlling the methylation and demethylation of target genes during early development.

Notable Publications

Author	Pubmed ID	Journal	Application
Donglim Esther Park	32284543	Nat Cell Biol	WB
Cheng Zeng	37607921	Nat Commun	WB

Storage

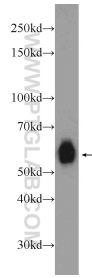
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

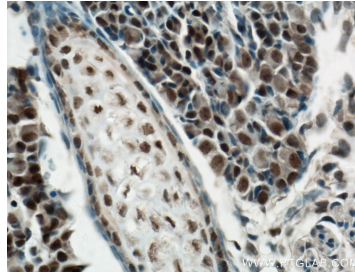
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 23969-1-AP (RCOR2 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse embryo tissue slide using 23969-1-AP (RCOR2 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).