For Research Use Only

RCOR2 Polyclonal antibody

Catalog Number:23969-1-AP Featured Product 4 Publications

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Basic Information

Catalog Number:
23969-1-AP

Size:
150ul , Concentration: 300 ug/ml by Nanodrop and 273 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG21112

GenBank Accession Number:
BC023587

GeneID (NCBI):
283248

UNIPROT ID:
Q8IZ40

Full Name:
REST corepressor 2

Calculated MW:
523 aa, 58 kDa

Observed MW:
58 kDa

Purification Method:
Antigen Affinity purified

Recommended Dilutions:
WB 1:500-1:2000
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, CoIP

Species Specificity:
human, mouse

Cited Species:
human, mouse

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 : Jurkat cells, HEK-293 cells

IHC : mouse embryo tissue,

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
Sandhya Malla	39237615	Nat Commun	WB,CoIP
Kuo Kang	39079198	Int Immunopharmacol	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
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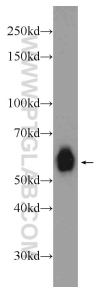
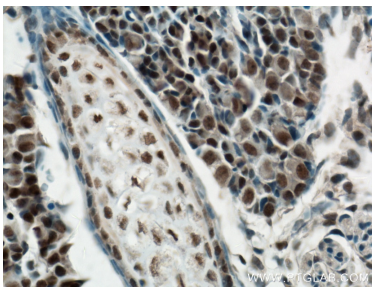
Selected Validation Data



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).