SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CoREST2 antibody

Catalog Number: SL13993R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CoREST2
Immunogen:	KLH conjugated synthetic peptide derived from human CoREST2: 151-250/523
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human (predicted:Mouse,Rat,Chicken,Dog,Pig,Horse,Sheep)
Predicted MW.:	58kDa
Subcellular Location:	The nucleus
Background:	In mammals, the CoREST 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.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	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. While RCOR2 is expressed as only one known isoform, RCOR3 exists as two isoforms due to alternative splicing events. **Function:** May act as a component of a corepressor complex that represses transcription. **Subcellular Location:** Nucleus. **Similarity:** Belongs to the CoREST family. Contains 1 ELM2 domain. Contains 2 SANT domains. **Database links:** **Entrez Gene:** 283248 Human **Entrez Gene:** 104383 Mouse **Entrez Gene:** 305811 Rat **Entrez Gene:** 498485 Rat **SwissProt:** Q8IZ40 Human **SwissProt:** Q8C796 Mouse **SwissProt:** Q5FWT8 Rat **Unigene:** 98788 Human **Unigene:** 283859 Mouse **Unigene:** 110225 Rat **Unigene:** 209048 Rat

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