SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-CoREST3 antibody

Catalog Number: SL13994R

FOR RESEARCH USE ONLY

[DATASHEET]

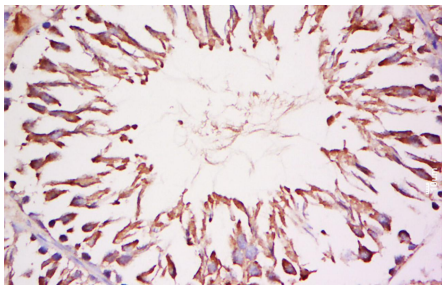
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CoREST3
Immunogen:	KLH conjugated synthetic peptide derived from human CoREST3: 101-200/495
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse,Chicken,Dog,Pig,Cow,Horse,Sheep)
Predicted MW.:	56kDa
Subcellular Location:	The nucleus
Background:	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. While RCOR2 is expressed as only one known isoform, RCOR3 exists as two isoforms due to alternative splicing events. **Function:** The CoREST3 gene encodes a functional corepressor required for

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	regulation of neural specific gene expression. REST (RE1 silencing transcription factor 1) can mediate extraneuronal restriction by imposing either active repression via histone deacetylase recruitment or long term gene silencing using a distinct functional complex. Silencing of neuronal specific genes requires the recruitment of an associated corepressor, CoREST, that serves as a functional molecular beacon for the recruitment of molecular machinery that imposes silencing across a chromosomal interval, including transcriptional units that do not themselves contain REST response elements. **Subcellular Location:** Nuclear **Similarity:** Belongs to the CoREST family. Contains 1 ELM2 domain. Contains 2 SANT domains. **Database links:** **Entrez Gene:** 55758 Human **Entrez Gene:** 214742 Mouse **Entrez Gene:** 684192 Rat **SwissProt:** Q9P2K3 Human **SwissProt:** Q6PGA0 Mouse **Unigene:** 632489 Human

[VALIDATION IMAGES]



Tissue/cell: Rat testis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-CoREST3 Polyclonal Antibody, Unconjugated(SL13994R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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