

Rabbit CoREST Polyclonal Antibody | anti-RCOR1 antibody

CoREST Antibody

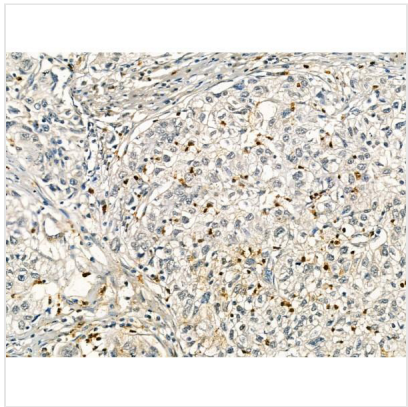
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31172	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(86%), Chicken(100%), Xenopus(100%)	ELISA

PRODUCT SYNONYMS

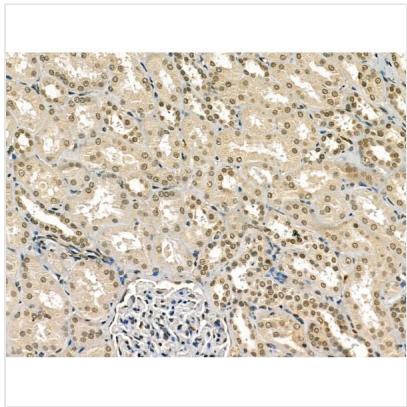
CoREST; Polyclonal Antibody; CoREST Antibody; COREST; KIAA0071; Nr2b2; Nuclear receptor coregulator 1; Nuclear receptor subfamily 2 group B member 2; Protein CoREST; RCOR; Rcor1; RCOR1_HUMAN; REST corepressor 1; Retinoic acid receptor RXR-beta; Retinoid X receptor beta; Rxrb; anti-RCOR1 antibody

PRODUCT SPECIFICATIONS

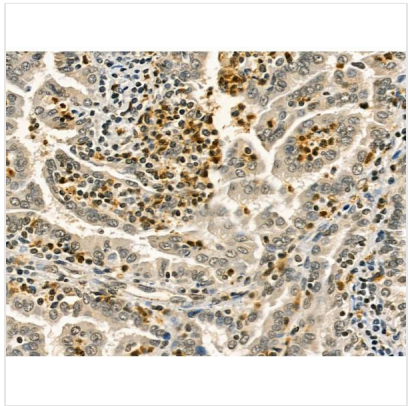
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(86%), Chicken(100%), Xenopus(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	CoREST Antibody detects endogenous levels of total CoREST.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	482
Applicable Applications for anti-RCOR1 antibody	ELISA
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human CoREST, corresponding to a region within N-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry-Paraffin)
AAA31172 at 1/100 staining Human pancreatic cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



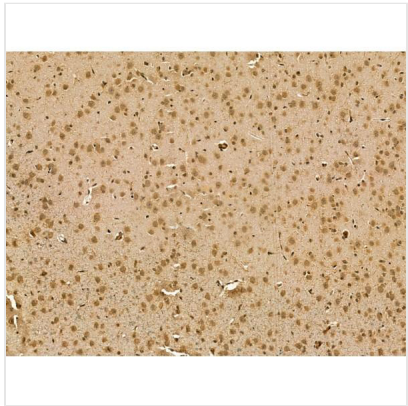
IHC (Immunohistochemistry-Paraffin)
AAA31172 at 1/100 staining Human kidney cancer and adjacent normal tissues by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



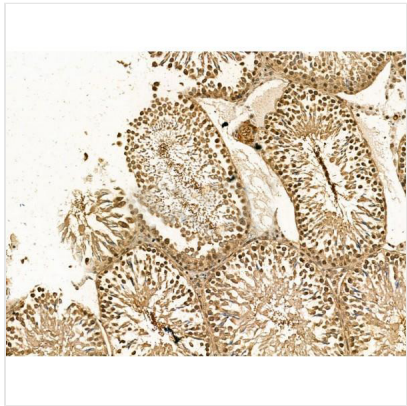
IHC (Immunohistochemistry-Paraffin)
AAA31172 at 1/100 staining Human kidney cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31172 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31172 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31172 at 1/100 staining Rat testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RCOR1 antibody	Function: Essential component of the BHC complex, a corepressor complex that represses transcription of neuron-specific genes in non-neuronal cells. The BHC complex is recruited at RE1/NRSE sites by REST and acts by deacetylating and demethylating specific sites on histones, thereby acting as a chromatin modifier. In the BHC complex, it serves as a molecular beacon for the recruitment of molecular machinery, including MeCP2 and SUV39H1, that imposes silencing across a chromosomal interval. Plays a central role in demethylation of Lys-4 of histone H3 by promoting demethylase activity of KDM1A on core histones and nucleosomal substrates. It also protects KDM1A from the proteasome. Component of a RCOR/GFI/KDM1A/HDAC complex that suppresses, via histone deacetylase (HDAC) recruitment, a number of genes implicated in multilineage blood cell development and controls hematopoietic differentiation. Post Translational Modifications: Phosphorylated by HSV-1 protein kinases in case of infection. Subcellular Location: Nucleus. Note: Upon infection by HSV-1, it is partially translocated into the cytoplasm in an HSV-1-dependent manner. Tissue Specificity: Ubiquitously expressed. Subunit Structure: Interacts directly with GFI1 and GFI1B in a RCOR/GFI/KDM1A/HDAC complex. Interacts with INMS1 (By similarity). Component of a BHC histone deacetylase complex that contains HDAC1, HDAC2, HMG20B/BRAF35, KDM1A, RCOR1/CoREST and PHF21A/BHC80. The BHC complex may also contain ZMYM2, ZNF217, ZMYM3, GSE1 and GTF2I. Interacts with REST. Interacts with the SMARCE1/BAF57, suggesting that the BHC complex may recruit the ATP-dependent chromatin-remodeling SWI-SNF complex.(Microbial infection) Interacts with herpes virus HSV-1 ICP0 protein; the interaction leads to the disruption of the BHC complex, thereby preventing the BHC complex from repressing transcription of viral genes. Similarity: The SANT domains may bridge the nucleosomal substrates and the demethylase KDM1A.Belongs to the CoREST family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7661892
NCBI GeneID	23186
NCBI Accession #	NP_055971.1
NCBI GenBank Nucleotide #	NP_055971.1
UniProt Accession #	Q9UKL0
Molecular Weight	Observed Molecular Weight: (Observed)53kD. Predicted Molecular Weight: (Calculated)53kDa.
NCBI Official Full Name	REST corepressor 1
NCBI Official Synonym Full Names	REST corepressor 1
NCBI Official Symbol	RCOR1
NCBI Official Synonym Symbols	RCOR; COREST
NCBI Protein Information	REST corepressor 1
UniProt Protein Name	REST corepressor 1
UniProt Gene Name	RCOR1
UniProt Synonym Gene Names	KIAA0071; RCOR
UniProt Entry Name	RCOR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

