

Anti-RCOR1 / COREST Antibody (aa109-293)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS17773

Product Information

Application	WB, IHC-P, ICC, IP
Primary Accession	Q9UKL0
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	53327
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	23186
Alias Symbol	RCOR1
Other Names	RCOR1, COREST, Protein CoREST, REST corepressor 1, RCOR, KIAA0071, REST corepressor
Target/Specificity	Recognizes human CoREST, Mr ~66kD. Species cross-reactivity: Mouse and rat.
Reconstitution & Storage	Protein A purified
Precautions	Anti-RCOR1 / COREST Antibody (aa109-293) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RCOR1
Synonyms	KIAA0071, RCOR
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.

Cellular Location

Nucleus {ECO:0000255 | PROSITE-ProRule:PRU00512, ECO:0000255 | PROSITE-ProRule:PRU00624, ECO:0000269 | PubMed:10734093, ECO:0000269 | PubMed:15897453}. Note=Upon infection by HSV-1, it is partially translocated into the cytoplasm in an HSV-1-dependent manner

Tissue Location

Ubiquitously expressed.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.