

Anti-CoREST Rabbit Monoclonal Antibody

Catalog # ABO15315

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	Q9UKL0
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-CoREST Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	23186
Other Names	REST corepressor 1, Protein CoREST, RCOR1, KIAA0071, RCOR
Calculated MW	53327
Application Details	WB 1:1000-1:5000 IHC 1:50-1:200 ICC/IF 1:50-1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 18R91
Immunogen	A synthesized peptide derived from human CoREST
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

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.

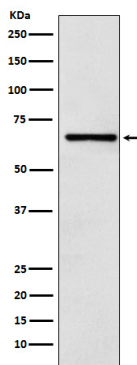
Cellular Location

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.

Images



Western blot analysis of CoREST expression in Molt-4 cell lysate.

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