

CoREST (26): sc-135873

BACKGROUND

NRSF (neuron-restrictive silencer factor, also designated XBR and REST for RE1-silencing factor) is a silencer protein that represses neuronal gene transcription in non-neuronal cells. NRSF-mediated repression requires histone deacetylase activity because repressed genes are associated with hypoacetylated chromatin. HDAC is recruited to the NRSF repressor complex by two co-repressors, Sin3A and CoREST. CoREST interacts with a single zinc finger motif in the carboxy-terminal repressor domain of NRSF, whereas Sin3A interacts with NRSF's amino-terminal repressor domain. In addition, CoREST interacts with HDAC through a SANT domain, which is found in other HDAC interacting proteins such as NCoR, MTA1 and MTA2. CoREST is an integral component of the NRSF repressor complex. Its functionality has been conserved in several species, including human, mouse, *Xenopus* and *C. elegans*.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: RCOR1 (human) mapping to 14q32.31; Rcor1 (mouse) mapping to 12 F1.

SOURCE

CoREST (26) is a mouse monoclonal antibody raised against amino acids 78-192 of CoREST of human origin.

PRODUCT

Each vial contains 50 µg IgG₁ in 0.5 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

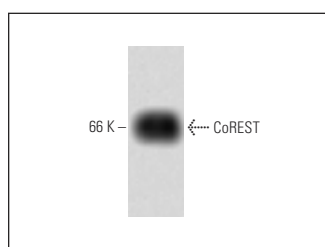
CoREST (26) is recommended for detection of CoREST of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

Suitable for use as control antibody for CoREST siRNA (h): sc-38131, CoREST siRNA (m): sc-142516, CoREST shRNA Plasmid (h): sc-38131-SH, CoREST shRNA Plasmid (m): sc-142516-SH, CoREST shRNA (h) Lentiviral Particles: sc-38131-V and CoREST shRNA (m) Lentiviral Particles: sc-142516-V.

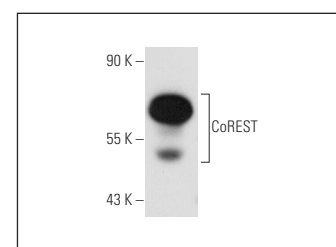
Molecular Weight of CoREST: 66 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204, MOLT-4 nuclear extract: sc-2151 or HeLa whole cell lysate: sc-2200.

DATA



CoREST (26): sc-135873. Western blot analysis of CoREST expression in Jurkat whole cell lysate.



CoREST (26): sc-135873. Western blot analysis of CoREST expression in MOLT-4 nuclear extract.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures. Not for resale.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.