SANTA CRUZ BIOTECHNOLOGY, INC.

Rpd3 (dl-12): sc-30558



BACKGROUND

Eukaryotic systems have evolved an elegant spectrum of signaling cascades and encoded-molecule-based biological responses to ensure homeostasis of the entire system through-out life. *Drosophila* utilizes a variety of signaling molecules that regulate biochemical events at the cellular level, mediating proper response to developmental signals and environmental variables. The histone deacetylase Rpd3 deacetylates lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation plays an important role in transcriptional regulation, cell cycle and developmental events. Histone deacetylases act via the formation of large multiprotein complexes.

REFERENCES

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- SWISS-PROT/TrEMBL (Q94517). World Wide Web URL: http://www. expasy.ch/sprot/sprot-top.html
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SOURCE

Rpd3 (dl-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Rpd3 of *Drosophila melanogaster* origin.

PRODUCT

Each vial contains 200 μg lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-30558 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

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

APPLICATIONS

Rpd3 (dl-12) is recommended for detection of Rpd3 of *Drosophila melanogaster* origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker[™] compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker[™] Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluores-cence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz[™] Mounting Medium: sc-24941.

RESEARCH USE

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

PROTOCOLS

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