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Dexas1 (h): 293 Lysate: sc-128448

BACKGROUND

Dexas1 (RASD1; RAS, dexamethasone-induced 1) is a steroid hormone-dependent, Ras-related GTPase that influences cell morphology, growth, and cell-extracellular matrix interactions. Dexas1 can regulate receptor-mediated $G_{\beta/\gamma}$ (heterotrimeric G protein) signaling. Dexas1 couples NMDA and light input to $G_{i/o}$ and ERK activation. Dexas2 (Rhes; Ras Homolog Enriched in Striatum, RASD2; RAS, dexamethasone-induced 2, TEM2; tumor endothelial marker 2) is a GTPase that is abundant in the striatal region of the brain where it mediates signal cascades. Dexas2 (Rhes) mRNA levels are under the influence of dopamine and may play a role in determining normal dopamine receptor sensitivity. Dexas1 and Dexas2 (Rhes) define a subfamily of proteins within the Ras family, characterized by an extended variable domain in the carboxyl terminal region.

REFERENCES

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6. Spano, D., et al. 2004. Rhes is involved in striatal function. *Mol. Cell. Biol.* 24: 5788-5796.
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CHROMOSOMAL LOCATION

Genetic locus: RASD1 (human) mapping to 17p11.2.

PRODUCT

Dexas1 (h): 293 Lysate represents a lysate of human Dexas1 transfected 293 cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

APPLICATIONS

Dexas1 (h): 293 Lysate is suitable as a Western Blotting positive control for human reactive Dexas1 antibodies. Recommended use: 10-20 μ l per lane.

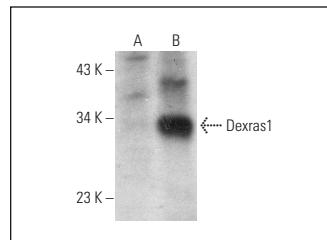
Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transfected 293 cells.

Dexas1/2 (C-11): sc-398988 is recommended as a positive control antibody for Western Blot analysis of enhanced human Dexas1 expression in Dexas1 transfected 293 cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG κ BP-HRP: sc-516102 or m-IgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



Dexas1/2 (C-11): sc-398988. Western blot analysis of Dexas1/2 expression in non-transfected: sc-110760 (A) and human Dexas1 transfected: sc-128448 (B) 293 whole cell lysates.

RESEARCH USE

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

PROTOCOLS

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