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# Ral BP-1 (m): 293T Lysate: sc-122954

## BACKGROUND

Ral A and Ral B constitute a distinct subfamily of Ras-related GTPases (i.e. GDP/GTP binding proteins). Ral proteins are activated by a unique nucleotide exchange factor, Ral GDS, and deactivated by a distinct GTPase-activating protein. Unlike Ras proteins, Ral A and Ral B fail to induce transformed foci when activated variants are expressed in various recipient cells. A potential downstream target of Ral, designated Ral BP-1, has been shown to contain a Rho-GTPase-activating domain. This Rho-GTPase-activating domain interacts preferentially with the Rho family member Cdc42. A Ras/Ral signaling pathway has been reported to mediate phospholipase D (PLD) activation by v-Src, thus indicating PLD as another downstream target of Ral A.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: Ralbp1 (mouse) mapping to 17 E1.1.

## PRODUCT

Ral BP-1 (m): 293T Lysate represents a lysate of mouse Ral BP-1 transfected 293T cells and is provided as 100 µg protein in 200 µl 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.

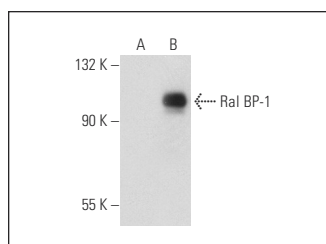
## APPLICATIONS

Ral BP-1 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Ral BP-1 antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Ral BP-1 (H-10): sc-48337 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse Ral BP-1 expression in Ral BP-1 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

## DATA



Ral BP-1 (H-10): sc-48337. Western blot analysis of Ral BP-1 expression in non-transfected: sc-117752 (A) and mouse Ral BP-1 transfected: sc-122954 (B) 293T whole cell lysates.

## RESEARCH USE

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

## PROTOCOLS

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