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Bcl-rambo (h5): 293 Lysate: sc-158295

BACKGROUND

Apoptosis is defined as a set of cascades which, when initiated, program the cell to undergo lethal changes such as membrane blebbing, mitochondrial breakdown and DNA fragmentation. The Bcl-2 family of proteins plays a central regulatory role in apoptosis. Bcl-rambo, a member of the Bcl-2 family, localizes to the mitochondria and, like other Bcl-2 family members, contains all four BH domains. Although Bcl-rambo shares structural similarity to other Bcl-2 members, it differs from them in its unique C-terminal region. Bcl-rambo has a 250 amino acid sequence containing 2 tandem repeats that precedes the membrane anchor region at its C-terminus. Additionally, it is the membrane anchor C-terminal region of Bcl-rambo, not its Bcl-2 homology motifs, that is responsible for its pro-apoptotic activity. Bcl-rambo induces apoptosis when overexpressed and appears to do so by promoting mitochondrial cytochrome c release. It may also facilitate the activation of caspase-3.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: BCL2L13 (human) mapping to 22q11.21.

PRODUCT

Bcl-rambo (h5): 293 Lysate represents a lysate of human Bcl-rambo transfected 293 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.

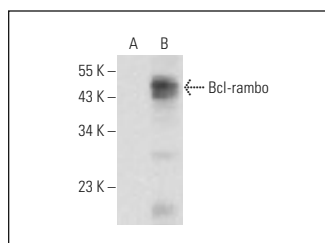
APPLICATIONS

Bcl-rambo (h5): 293 Lysate is suitable as a Western Blotting positive control for human reactive Bcl-rambo antibodies. Recommended use: 10-20 µl per lane.

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

Bcl-rambo (6D161): sc-70416 is recommended as a positive control antibody for Western Blot analysis of enhanced human Bcl-rambo expression in Bcl-rambo transfected 293 cells (starting dilution 1:100, dilution range 1:100-1:1,000).

DATA



Bcl-rambo (6D161): sc-70416. Western blot analysis of Bcl-rambo expression in non-transfected: sc-110760 (A) and human Bcl-rambo transfected: sc-158295 (B) 293 whole cell lysates.

RESEARCH USE

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

PROTOCOLS

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