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StARD13 (m): 293T Lysate: sc-123813

BACKGROUND

The StARD (steroidogenic acute regulatory protein-related lipid transfer (START) domain containing) family of proteins is comprised of fifteen different members. All members contain the characteristic START domain and are believed to play key roles in the metabolism and transport of lipids. The StARD proteins are grouped into six subfamilies based on their START domain sequences. StARD8, StARD12 and StARD13 constitute one subfamily, namely the Rho GAP START group. StARD13, also known as DLC-2 (deleted in liver cancer protein 2) or GT650, is a Rho GAP protein specific for Rho A and Cdc42. StARD13 contains one Rho GAP domain, one SAM (sterile α motif) domain and one START domain. It localizes to the mitochondrion and cytoplasmic speckles in close association with lipid droplets, suggesting an additional function for StARD13 in mitochondrial lipid transport. StARD13 is ubiquitously expressed but is often deleted in hepatocellular and breast cancer cells, implying that StARD13 also acts as a tumor suppressor.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Stard13 (mouse) mapping to 5 G3.

PRODUCT

StARD13 (m): 293T Lysate represents a lysate of mouse StARD13 transfected 293T 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

StARD13 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive StARD13 antibodies. Recommended use: 10-20 μ l per lane.

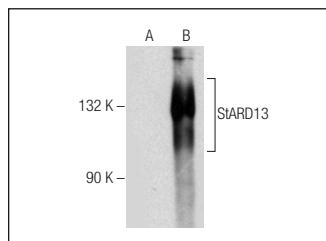
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

StARD13 (H-10): sc-377054 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse StARD13 expression in StARD13 transfected 293T 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



StARD13 (H-10): sc-377054. Western blot analysis of StARD13 expression in non-transfected: sc-117752 (A) and mouse StARD13 transfected: sc-123813 (B) 293T 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.