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CaBP4 (m): 293T Lysate: sc-118947

BACKGROUND

The calcium binding protein (CaBP) family shares much similarity to calmodulin. It has been shown that CaBP proteins can substitute functionally for, and probably augment the function of, calmodulin. Calcium binding proteins are a crucial part of calcium mediated cellular signal transduction in the central nervous system. There are several members of the family with varying expression patterns. CaBP1 and CaBP2 can be expressed as multiple, alternatively spliced variants in brain and retina. CaBP3, CaBP4 and CaBP5 are restricted to retinal rod and cone cells.

REFERENCES

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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.

PROTOCOLS

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

CHROMOSOMAL LOCATION

Genetic locus: *Cabp4* (mouse) mapping to 19 A.

PRODUCT

CaBP4 (m): 293T Lysate represents a lysate of mouse CaBP4 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

CaBP4 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive CaBP4 antibodies. Recommended use: 10-20 μ l per lane.

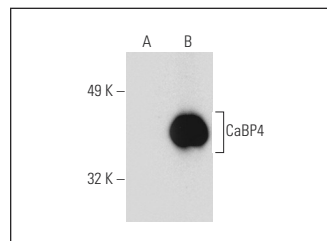
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

CaBP4 (D-6): sc-271885 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse CaBP4 expression in CaBP4 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

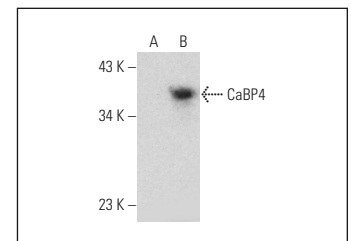
RECOMMENDED SUPPORT REAGENTS

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



CaBP4 (D-6): sc-271885. Western blot analysis of CaBP4 expression in non-transfected: sc-117752 (A) and mouse CaBP4 transfected: sc-118947 (B) 293T whole cell lysates.



CaBP4 (H-9): sc-514768. Western blot analysis of CaBP4 expression in non-transfected: sc-117752 (A) and mouse CaBP4 transfected: sc-118947 (B) 293T whole cell lysates.

RESEARCH USE

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