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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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MDGI (m): 293T Lysate: sc-125591

BACKGROUND

Fatty acid-binding proteins, designated FABPs, are a family of homologous cytoplasmic proteins that are expressed in a highly tissue-specific manner and play an integral role in the balance between lipid and carbohydrate meta-bolism. FABPs mediate fatty acid (FA) and/or hydrophobic ligand uptake, transport and targeting within their respective tissues. The mechanisms underlying these actions can give rise to both passive diffusional uptake and protein-mediated transmembrane transport of FAs. FABPs are expressed in adipocytes (A-FABP); brain, (B-FABP); epithelium (E-FABP), also designated psoriasis-associated FABP (PA-FABP); muscle and heart (H-FABP), also designated mammary-derived growth inhibitor (MDGI); intestine (I-FABP); liver (L-FABP); myelin (M-FABP); and testis (T-FABP). MDGI is highly expressed in the myocardium, skeletal and smooth muscle fibers, lipid and/or steroid synthesizing cells and terminally differentiated epithelia of the respiratory, intestinal and urogenital tracts.

REFERENCES

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- Glatz, J.F. and Storch, J. 2001. Unravelling the significance of cellular fatty acid-binding proteins. *Curr. Opin. Lipidol.* 12: 267-274.
- Veerkamp, J.H. and Zimmerman, A.W. 2001. Fatty acid-binding proteins of nervous tissue. *J. Mol. Neurosci.* 16: 133-142.

CHROMOSOMAL LOCATION

Genetic locus: *Fabp3* (mouse) mapping to 4 D2.2.

PRODUCT

MDGI (m): 293T Lysate represents a lysate of mouse MDGI 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.

RESEARCH USE

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

APPLICATIONS

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

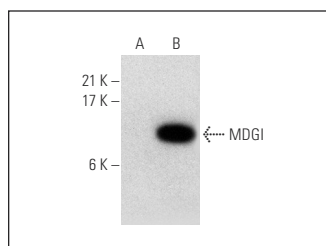
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

MDGI (G-4): sc-514208 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse MDGI expression in MDGI transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

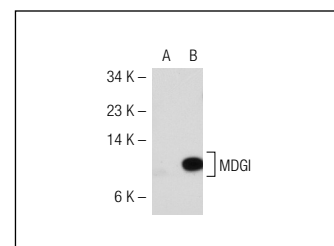
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ 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



MDGI (G-4): sc-514208. Western blot analysis of MDGI expression in non-transfected: sc-117752 (A) and mouse MDGI transfected: sc-125591 (B) 293T whole cell lysates.



MDGI (67D3): sc-58275. Western blot analysis of MDGI expression in non-transfected: sc-117752 (A) and mouse MDGI transfected: sc-125591 (B) 293T whole cell lysates.

PROTOCOLS

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