SANTA CRUZ BIOTECHNOLOGY, INC.

ASCT1 (h2): 293T Lysate: sc-113741

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

Neutral amino acid transporter proteins, also designated alanine/serine/cysteine/threonine transporters (ASCT), belong to the sodium dicarboxylate (SDF) symporter family of proteins. The members of this family of proteins are multi-pass membrane-bound proteins that act as transporters for threonine, alanine, serine and cysteine. ASCT1 and ASCT2 have been shown to exhibit sodium dependence. ASCT1 is expressed in most tissues, but highest expression has been detected in muscle, brain and pancreas. The highest levels of ASCT2 expression are found in placenta, kidney, pancreas, muscle and intestine.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SLC1A4 (human) mapping to 2p14.

PRODUCT

ASCT1 (h2): 293T Lysate represents a lysate of human ASCT1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

ASCT1 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive ASCT1 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-tranfected 293T cells.

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.

PROTOCOLS

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