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SANTA CRUZ BIOTECHNOLOGY, INC.

karyopherin β2B (m): 293T Lysate: sc-124257

BACKGROUND

Transportin 2, also known as TNPO2, IPO-3, TRN2 or KPNB2B (karyopherin β2B), is an 897 amino acid protein that contains one importin N-terminal domain and 13 HEAT repeats. Localized to both the nucleus and the cytoplasm, transportin 2 is thought to function as a nuclear transport receptor that is specific for nuclear localization signals (NLS) in cargo substrates. Playing an important role in nuclear protein import, transportin 2 mediates docking of the importin complex to the nuclear pore complex (NPC), an event that is necessary for protein import into the nucleus. In addition to its ability to facilitate nuclear protein import, transportin 2 may participate in protein export from the nucleus to the cytoplasm. Multiple isoforms of transportin 2 exist due to alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Tnpo2 (mouse) mapping to 8 C3.

PRODUCT

karyopherin β2B (m): 293T Lysate represents a lysate of mouse karyopherin β2B 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.

APPLICATIONS

karyopherin β2B (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive karyopherin β2B 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.

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.