SANTA CRUZ BIOTECHNOLOGY, INC.

FKBP8 (m): 293T Lysate: sc-120281

BACKGROUND

FKBP8 (FKBPr38, FK506 binding protein 8) is an immunophilin family member lacking PPIase/arotamase activity that influences immunoregulation, protein folding and trafficking in neurons associated with memory function. The FKBPr38 form derives from a truncated ORF. Presenilin 1 and 2 form molecular complexes with—and promote degradation of—FKBPr38, and Bcl-2, and sequester these proteins in ER/Golgi, thereby inhibiting FKBPr38-mediated, γ-secretase-independent, mitochondrial targeting of Bcl-2. FKBP8 present in the central nervous system can antagonize hedgehog (HH) signaling, where HH is critical for patterning and growth of many tissues in the developing embryo. Mouse FKBPr38 mRNA is present in neurons and glial cells and appears more pronounced in neurons associated with the hippocampal formation in adult mouse brains.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Fkbp8 (mouse) mapping to 8 B3.3.

PRODUCT

FKBP8 (m): 293T Lysate represents a lysate of mouse FKBP8 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

FKBP8 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive FKBP8 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.

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.