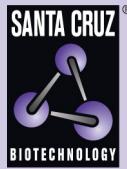


ANT1/2/3/4 (45-233): sc-4352 WB



BACKGROUND

Adenine nucleotide translocator (ANT) and the voltage-dependent anion-selective channel proteins 1 and 2 (VDAC1 and VDAC2) are components of the permeability transition pore complex (PTPC) of the mitochondrial inner and outer membranes, respectively. Formation of PTPCs, the subsequent dissipation of mitochondrial inner membrane potential and release of cytochrome c through the outer mitochondrial membrane are critical events in the early stages of apoptosis. Bax, a proapoptotic protein, has been shown to act upon ANT to induce the dissipation of mitochondrial inner membrane potential. ANT1 has a role in the maintenance of mitochondrial DNA by catalyzing the exchange of ADP and ATP across the mitochondrial inner membrane.

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SOURCE

ANT1/2/3/4 (45-233) is expressed in *E. coli* as a 48 kDa tagged fusion protein corresponding to amino acids 45-233 of ANT1 of human origin.

PRODUCT

ANT1/2/3/4 (45-233) is purified from bacterial lysates (>98%) by column chromatography; supplied as 10 μ g in 0.1 ml SDS-PAGE loading buffer.

APPLICATIONS

ANT1/2/3/4 (45-233) is suitable as a Western blotting control for sc-9299, sc-9300, sc-366485 and sc-11433.

STORAGE

Store at -20° C; stable for one year from the date of shipment.

RESEARCH USE

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