
anti-ANT

Cat #: HM1013
Goat polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

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 cytochrome c through the outer mitochondrial membrane critical events in the early stages of apoptosis. Bax, proapoptotic protein, has been shown to act upon ANT to induce the dissipation of mitochondrial inner membrane potential.

SPECIFICITY

This antibody specifically reacts with all ANT isoforms of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

IMMUNOGEN

A peptide mapping within an internal region of adenine nucleotide translocator 1 (ANT1) of human origin.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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2. Kaukonen,J., Juselius,J.K., Tiranti,V., Kyttala,A., Zeviani,M., Comi,G.P., Keranen,S., Peltonen,L. and Suomalainen,A. (2000) Role of adenine nucleotide translocator 1 in mtDNA maintenance. Science 289, 782-785.
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