

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



SLC25A6 (R155) Peptide

Cat No.: BS3799P

Background

ANT2 (adenine nucleotide translocator 2), also known as SLC25A5 (solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5), T2, T3, 2F1 or AAC2, is a 298 amino acid multi-pass membrane protein that localizes to the inner mitochondrial membrane and contains three solcar repeats. Existing as one of the most abundant mitochondrial proteins, ANT2 functions as a homodimer that facilitates the exchange of ADP and ATP between the mitochondrion and the cytosol, thus linking the compartment of ATP production (within the mitochondrion) to the areas of ATP utilization (within the cytosol). Suppression of ANT2 in breast cancer cells results in apoptosis and tumor growth inhibition, suggesting that ANT2 may be involved in carcinogenesis. ANT3 (adenine nucleotide translocator 2) is a 298 amino acid mitochondrial protein that functions in a similar manner to ANT2 but, unlike ANT2, may also play a role in the formation of the permeability transition pore complex (PTPC), a structure that is important for the regulation of apoptosis.

Swiss-Prot

P12236

Applications

Blocking

Specificity

This peptide can be used with studies using BS3799 SLC25A6 (R155) pAb.

Purification & Purity

Synthetic peptide SLC25A6 (R155). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

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