Bioworld Technology CO., Ltd.

ERAB (E135) Peptide

Cat No.: BS1713P

Background

β-Amyloid is a neurotoxic peptide that is associated with the pathogenesis of Alzheimer's disease. β-Amyloid aggregates induce cell death of neurons through the disruption of cell membranes and the generation of reactive oxygen intermediates.These neurotoxic effects are also attributed to the interaction of β-Amyloid with intracellular proteins, specifically ERAB, the endoplasmic reticulum-associated β-Amyloid-binding protein. ERAB is characterized as a NAD+-dependent dehydrogenase that is constitutively expressed in tissues and overexpressed in neurons affected in Alzheimer's disease. Cells overexpressing ERAB in vitro have been shown to be more sensitive to β-Amyloid-induced stress, and blocking the activity of ERAB has been shown to inhibit this cell death, indicating that β-Amyloid induced cell death is mediated by ERAB.

Swiss-Prot

Q99714

Applications

Blocking

Specificity

This peptide can be used with studies using BS1713 ERAB (E135) pAb.

Purification & Purity

Synthetic peptide ERAB (E135). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

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

Research Use

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

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