

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



ADCY 1 (D252) Peptide

Cat No.: BS2391P

Background

Cyclic AMP, in turn, activates several other target molecules to control a broad range of diverse phenomena such as metabolism, gene transcription and memory. Adenylyl cyclases respond to receptor-initiated signals, mediated by the Gs and Gi heterotrimeric G proteins. The binding of an agonist to a Gs-coupled receptor catalyzes the exchange of GDP (bound to G α s) for GTP, the dissociation of GTP-G α s from G $\beta\gamma$ and G α s)-mediated activation of adenylyl cyclase. Adenylyl cyclases type I (AC I) and III (AC III) have distinct staining within the cell nucleus of rat brain sensory neurons. A cyclase I, also known as AC1 or ADCY1, is a 1,119 amino acid multi-pass membrane protein expressed in the brain, retina and adrenal medulla. A cyclase I binds two magnesium ions per subunit and may be involved in regulatory processes in the central nervous system.

Swiss-Prot

Q08828

Applications

Blocking

Specificity

This peptide can be used with studies using BS2391 ADCY 1 (D252) pAb.

Purification & Purity

Synthetic peptide ADCY 1 (D252). (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.

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