

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



A Cyclase IX (P974) Peptide

Cat No.: BS9246P

Background

Classically, 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 (i.e., α β -adrenergic receptor) catalyzes the exchange of GDP (bound to G α s) for GTP, dissociation of GTP-G α s from G $\beta\gamma$ and G α s-mediated activation of adenylyl cyclase. The most abundant cerebral adenylyl cyclase appears to be adenylyl cyclase IX. AC IX is confined to the gray matter and its expression is mainly neuronal, with its highest expression located at the hippocampus. AC IX is also expressed in heart, pancreas and thyrocytes. AC I and AC IX are regulated reciprocally by intracellular free Ca²⁺. The inhibition of AC IX by Ca²⁺ is blocked by the calcineurin inhibitors FK506 and cyclosporin A.

Swiss-Prot

O60503

Applications

Blocking

Specificity

This peptide can be used with studies using BS9246 A Cyclase IX (P974) pAb.

Purification & Purity

Synthetic peptide A Cyclase IX (P974). (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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