



A Cyclase IX (P974) polyclonal antibody

Catalog: BS9246

Host: Rabbit

Reactivity: Human

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 cyclases 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. ACIX 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.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 161 kDa

Swiss-Prot:

O60503

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

Storage&Stability:

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

Specificity:

A Cyclase IX (P974) polyclonal antibody detects endogenous levels of A Cyclase IX protein.

DATA:

Immunohistochemistry (IHC) analyzes of A Cyclase IX (P974) pAb in paraffin-embedded human lung cancer tissue.

Note:

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

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