

Human/Mouse Aminoacylase/ACY1 Biotinylated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: BAF2900

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse Aminoacylase/ACY1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Aminoacylase/ACY1 Thr2-Ser408 Accession # Q03154
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human Aminoacylase/ACY1 (Catalog # 2900-ZN) and recombinant Mouse Aminoacylase/ACY1 (Catalog 2700-ZN).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

The human ACY1 gene encodes Aminoacylase, a member of the M20 family of metalloproteases (1). ACY1 plays a general role in the cytosolic breakdown of acetylated amino acids generated during protein degradation. It also interacts with sphingosine kinase type 1, which is involved in promoting cell growth and inhibiting apoptosis of tumor cells (2). The full-length protein is expressed and the purified enzyme is active as described in Activity Assay Protocol.

References:

1. Lindner, H.A. *et al.* (2003) J. Biol. Chem. **278**:44496.
2. Maceyka, M. *et al.* (2004) FEBS Lett. **568**:30.