

DESCRIPTION

Species Reactivity	Human
Specificity	Detects recombinant human Aminoacylase/ACY1 in direct ELISAs and Western blots. In Western blots, approximately 50% cross-reactivity with recombinant mouse ACY1 is observed.
Source	Monoclonal Rat IgG _{2B} Clone # 475626
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Aminoacylase/ACY1 Thr2-Ser408 Accession # Q03154
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

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