

DATASHEET
Aminoacylase 1 Rabbit Polyclonal Antibody
CAT. NO. APA13281
KEY FEATURES

Target	Aminoacylase 1	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Aminoacylase involved in the hydrolysis of N-acetylated and N-formylated amino acids. May act sequentially with APEH in the degradation of N-acylated peptides: APEH first cleaves N-acylaminoacids from N-acylated peptides, then ACY1 further hydrolyzes the N-acylaminoacid into free aminoacid and a carboxylate.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to Aminoacylase 1
Specificity	Recognizes endogenous levels of Aminoacylase 1 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Aminoacylase 1
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 37; Observed: 46 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Aminoacylase-1; ACY-1; N-acyl-L-amino-acid amidohydrolase
Gene Symbol	ACY1
Entrez Gene	95(Human)
SwissProt	Q03154(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

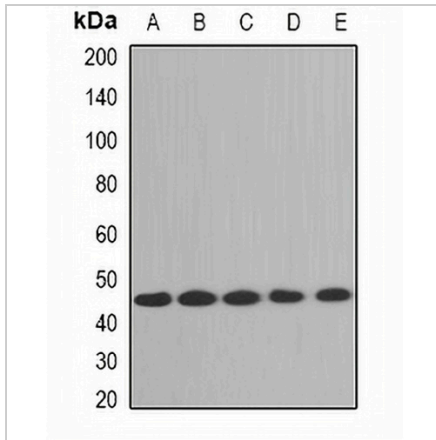
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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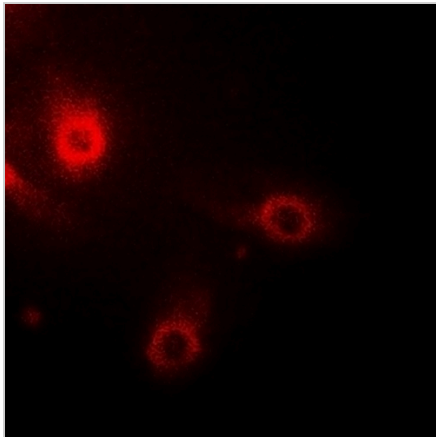
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DATA



Western blot analysis of Aminoacylase 1 expression in A431 (A), Jurdat (B), mouse brain (C), mouse liver (D), rat kidney (E) whole cell lysates. (Predicted band size: 37; 38; 42; 45 kD; Observed band size: 46 kD)



Immunofluorescent analysis of Aminoacylase 1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.