


Product datasheet

# Anti-Aminoacylase 1 antibody ab96098

2 Images

Overview

<b>Product name</b>	Anti-Aminoacylase 1 antibody
<b>Description</b>	Rabbit polyclonal to Aminoacylase 1
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Cow, Pig 
<b>Immunogen</b>	Recombinant protein fragment containing a sequence corresponding to a region within amino acids 89 and 336 of Human Aminoacylase 1 (NP_000657).
<b>Positive control</b>	293T, A431, HeLa, HepG2, MOLT4, H1299 and Raji cell lysates ICC/IF: A431 cell

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.01% Thimerosal (merthiolate) Constituents: 10% Glycerol, 0.1M Tris, 0.1M Glycine, pH 7.0
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab96098** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 46 kDa.
ICC/IF		1/100 - 1/200.

## Target

### Function

Involved in the hydrolysis of N-acylated or N-acetylated amino acids (except L-aspartate).

### Tissue specificity

Expression is highest in kidney, strong in brain and weaker in placenta and spleen.

### Involvement in disease

Defects in ACY1 are the cause of aminoacylase-1 deficiency (ACY1D) [MIM:609924]. ACY1D results in a metabolic disorder manifesting with encephalopathy, unspecific psychomotor delay, psychomotor delay with atrophy of the vermis and syringomyelia, marked muscular hypotonia or normal clinical features. Epileptic seizures are a frequent feature. All affected individuals exhibit markedly increased urinary excretion of several N-acetylated amino acids.

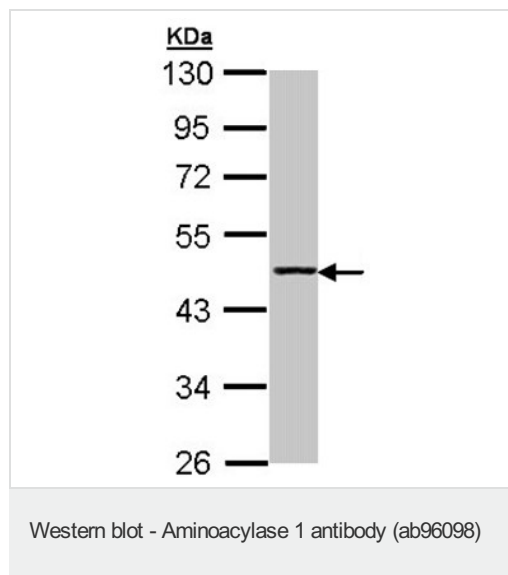
### Sequence similarities

Belongs to the peptidase M20A family.

### Cellular localization

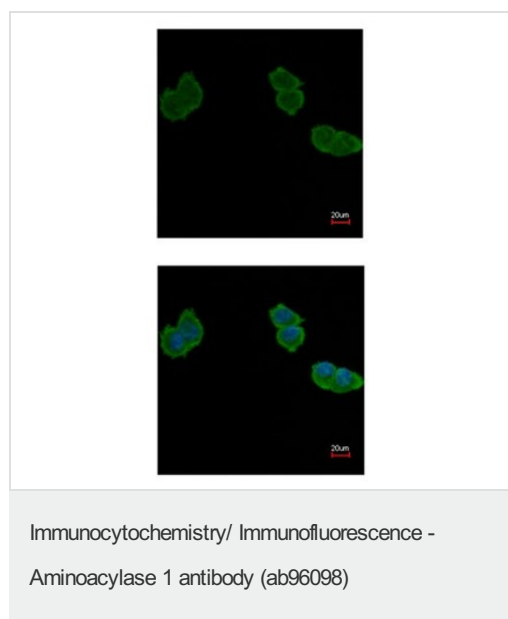
Cytoplasm.

## Images



Anti-Aminoacylase 1 antibody (ab96098) at  
1/1000 dilution + H1299 whole cell lysate at 30  
µg

**Predicted band size : 46 kDa**



Immunofluorescence analysis of  
Aminoacylase 1 in paraformaldehyde fixed  
A431, using ab96098 at a 1/200 dilution.  
Lower image merged with DNA probe.

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