

Product datasheet

Anti-Aminoacylase 1 antibody ab88777

2 Images

Overview

<b>Product name</b>	Anti-Aminoacylase 1 antibody
<b>Description</b>	Mouse polyclonal to Aminoacylase 1
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Full length human Aminoacylase 1 (NP_000657.1).
<b>Positive control</b>	U-2 OS and Aminoacylase 1 transfected 293T cell line lysates.

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: None Constituents: 1X PBS, pH 7.2
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab88777** in the following tested applications.

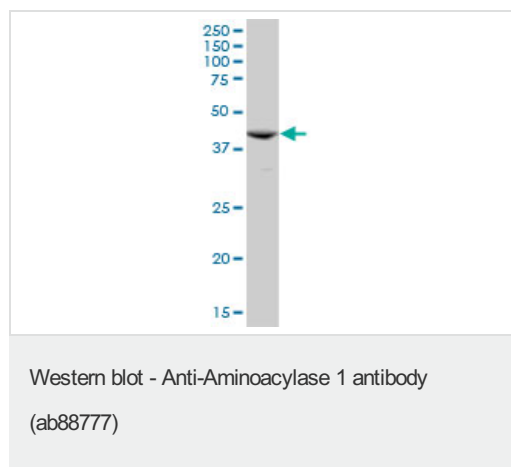
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 45 kDa (predicted molecular weight: 45 kDa).

Target

<b>Function</b>	Involved in the hydrolysis of N-acylated or N-acetylated amino acids (except L-aspartate).
<b>Tissue specificity</b>	Expression is highest in kidney, strong in brain and weaker in placenta and spleen.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Belongs to the peptidase M20A family.
<b>Cellular localization</b>	Cytoplasm.

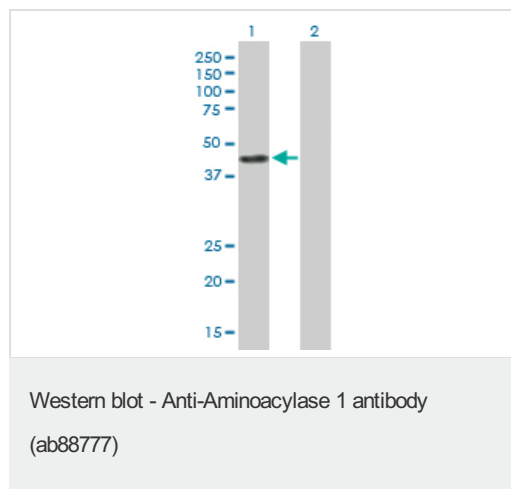
## Images



Anti-Aminoacylase 1 antibody (ab88777) at 1  $\mu\text{g/ml}$  + U-2 OS cell lysate at 50  $\mu\text{g}$

**Predicted band size:** 45 kDa

**Observed band size:** 45 kDa



**All lanes :** Anti-Aminoacylase 1 antibody (ab88777) at 1  $\mu\text{g/ml}$

**Lane 1 :** Aminoacylase 1 transfected 293T cell line lysate

**Lane 2 :** Non-transfected lysate

Lysates/proteins at 25  $\mu\text{g}$  per lane.

**Predicted band size:** 45 kDa

**Observed band size:** 45 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

## Our Promise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery

- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors