

Product datasheet

Anti-Aminoacylase 1 antibody ab88777

2 Images

Overview

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 1X PBS, pH 7.2
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

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

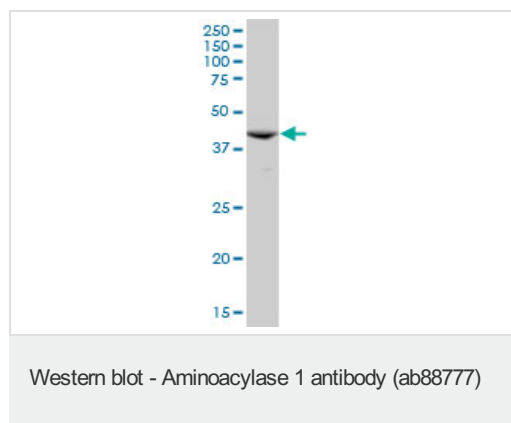
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

Target

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.

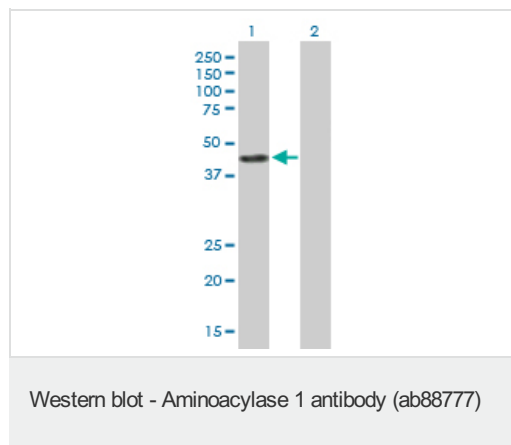
Images



Anti-Aminoacylase 1 antibody (ab88777) at 1 μ g/ml + U-2 OS cell lysate at 50 μ g

Predicted band size: 45 kDa

Observed band size: 45 kDa



All lanes : Anti-Aminoacylase 1 antibody (ab88777) at 1 μ g/ml

Lane 1 : Aminoacylase 1 transfected 293T cell line lysate

Lane 2 : Non-transfected lysate

Lysates/proteins at 25 μ g per lane.

Predicted band size: 45 kDa

Observed band size: 45 kDa

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