

For Research Use Only

# AADAT Polyclonal antibody, PBS Only

Catalog Number: 13031-1-PBS



## Basic Information

Catalog Number:

13031-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3676

GenBank Accession Number:

BC031068

GeneID (NCBI):

51166

UNIPROT ID:

Q8N5Z0

Full Name:

aminoadipate aminotransferase

Calculated MW:

429 aa, 48 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

AADAT (alpha-aminoadipate aminotransferase), also known as KAT (kynurenine aminotransferase) II, is a primary enzyme in the brain for catalysing the transamination of kynurenine to KYNA (kynurenic acid). KYNA is the only known endogenous antagonist of the N-methyl-D-aspartate receptor. AADAT is also involved in lysine metabolism by catalyzing the transamination of aminoadipate to alpha-ketoadipate (PMID: 17024659, 18056995). The human AADAT enzyme is also predicted to contain a mitochondrial cleavage signal, suggesting that AADAT is a mitochondrial protein (PMID: 19826765).

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

T: 4006900926

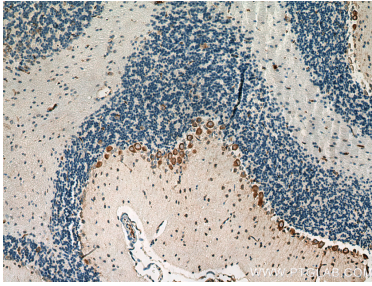
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 13031-1-AP (AADAT antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13031-1-PBS in a different storage buffer formulation.