

A13090

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# AADAT Rabbit pAb

Catalog No.: A13090 **2 Publications**

## Basic Information

### Observed MW

46kDa

### Calculated MW

47kDa

### Category

Polyclonal Antibody

### Applications

WB,IHC-P,IF/ICC,ELISA

### Cross-Reactivity

Human,Mouse,Rat

## Background

This gene encodes a protein that is highly similar to mouse and rat kynurenine aminotransferase II. The rat protein is a homodimer with two transaminase activities. One activity is the transamination of alpha-amino adipic acid, a final step in the saccharopine pathway which is the major pathway for L-lysine catabolism. The other activity involves the transamination of kynurenine to produce kynurenine acid, the precursor of kynurenic acid which has neuroprotective properties. Several transcript variants encoding two different isoforms have been found for this gene.

## Recommended Dilutions

**WB** 1:2000 - 1:4000

**IHC-P** 1:50 - 1:200

**IF/ICC** 1:50 - 1:200

## Immunogen Information

### Gene ID

51166

### Swiss Prot

Q8N5Z0

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 34-429 of human AADAT (NP\_001273611.1).

### Synonyms

KAT2; KATII; KYAT2; AADAT

## Contact

 [www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

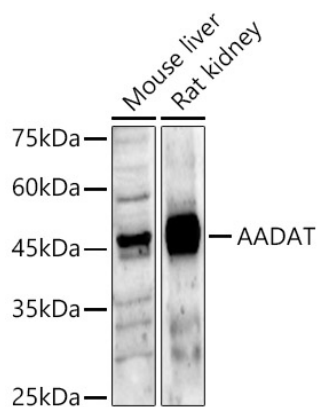
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of various lysates, using AADAT Rabbit pAb (A13090) at 1:4000 dilution.

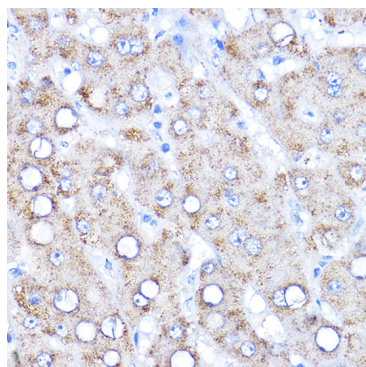
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded human liver using AADAT Rabbit pAb (A13090) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.