

AADAT Rabbit pAb

Catalog No.: A13090

Basic Information

Observed MW

47kDa

Calculated MW

47kDa

Category

Primary antibody

Applications

WB, IHC, IF/ICC

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 saccaropine 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	1:500 - 1:2000
IHC	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

AADAT;KAT2;KATII;KYAT2

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

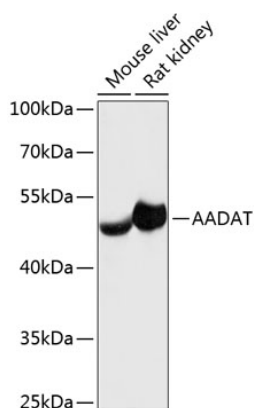
Affinity purification

Storage

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

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

Validation Data



Western blot analysis of extracts of various cell lines, using AADAT antibody (A13090) at 1:3000 dilution.

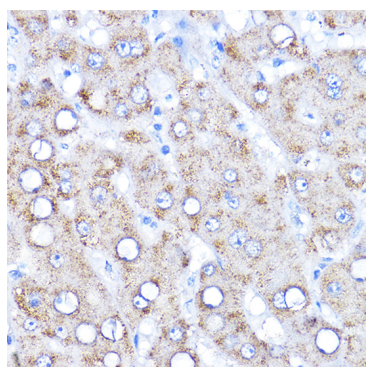
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



Immunohistochemistry of paraffin-embedded human liver using AADAT Rabbit pAb (A13090) at dilution of 1:200 (40x lens).