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Datasheet for ABIN2781307  
**anti-AADAT antibody (N-Term)**

2 Images

Overview

Quantity:	100 µL
Target:	AADAT
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Horse, Cow, Dog, Zebrafish (Danio rerio), Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AADAT antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human AADAT
Sequence:	AVITVENGKT IQFG EEMMKR ALQYSPSAGI PELLSWLKQL QIKLHNPPTI
Predicted Reactivity:	Cow: 93%, Dog: 93%, Horse: 86%, Human: 100%, Mouse: 93%, Pig: 79%, Rabbit: 100%, Rat: 85%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against AADAT. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	AADAT
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## Target Details

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Alternative Name: [AADAT \(AADAT Products\)](#)

Background: AADAT is 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-aminoadipic 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. 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-aminoadipic 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. Two alternative transcripts encoding the same isoform have been identified, however, additional alternative transcripts and isoforms may exist.

Alias Symbols: KAT2, KATII

Protein Size: 425

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Molecular Weight: 47 kDa

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Gene ID: 51166

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NCBI Accession: [NM\\_016228](#), [NP\\_057312](#)

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UniProt: [Q8N5Z0](#)

## Application Details

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Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

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Comment: Antigen size: 425 AA

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: Lot specific

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Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

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Preservative: Sodium azide

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## Handling

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

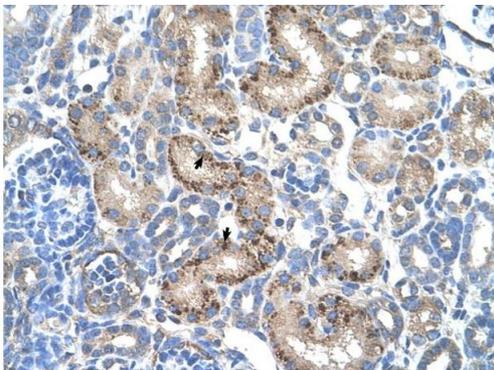
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Western Blotting

**Image 1.** WB Suggested Anti-AADAT Antibody Titration:  
1.25ug/ml Positive Control: HepG2 cell lysate



Rabbit Anti-AADAT Antibody  
Catalog Number: ARP43534  
Lot Number: QC13705  
Paraffin Embedded Tissue: Human Kidney  
Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows)  
Antibody Concentration: 4.0-8.0 µg/ml  
Magnification: 400X

### Immunohistochemistry

**Image 2.** Human kidney