

AADAT antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12289**Specification**

AADAT antibody - N-terminal region - Product Information

Application	WB, IHC
Primary Accession	Q8N5Z0
Other Accession	NM_016228 , NP_057312
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Rabbit, Chicken, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47kDa kDa

AADAT antibody - N-terminal region - Additional Information**Gene ID** 51166**Alias Symbol** KAT2, KATII**Other Names**

Kynurenine/alpha-aminoadipate aminotransferase, mitochondrial, KAT/AadAT, 2-aminoadipate aminotransferase, 2-aminoadipate transaminase, 2.6.1.39, Alpha-aminoadipate aminotransferase, AadAT, Kynurenine aminotransferase II, Kynurenine--oxoglutarate aminotransferase II, Kynurenine--oxoglutarate transaminase 2, 2.6.1.7, Kynurenine--oxoglutarate transaminase II, AADAT, KAT2

Format

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

Reconstitution & Storage

Add 100 ul of distilled water. Final anti-AADAT antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

AADAT antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

AADAT antibody - N-terminal region - Protein Information**Name** AADAT ([HGNC:17929](#))**Function**

Transaminase with broad substrate specificity. Has transaminase activity towards aminoadipate, kynurenine, methionine and glutamate. Shows activity also towards tryptophan, aspartate and hydroxykynurenine. Accepts a variety of oxo-acids as amino-group acceptors, with a preference

for 2-oxoglutarate, 2-oxocaproic acid, phenylpyruvate and alpha-oxo-gamma-methiol butyric acid. Can also use glyoxylate as amino-group acceptor (in vitro).

Cellular Location

Mitochondrion.

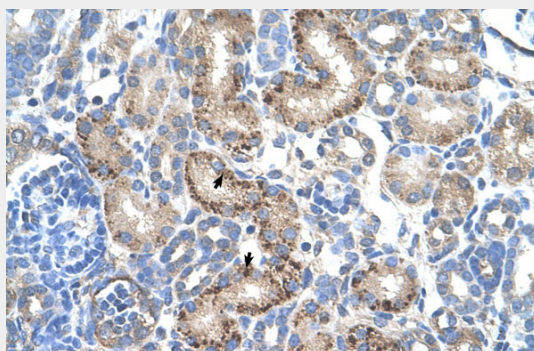
Tissue Location

Higher expression in the liver. Also found in heart, brain, kidney, pancreas, prostate, testis and ovary

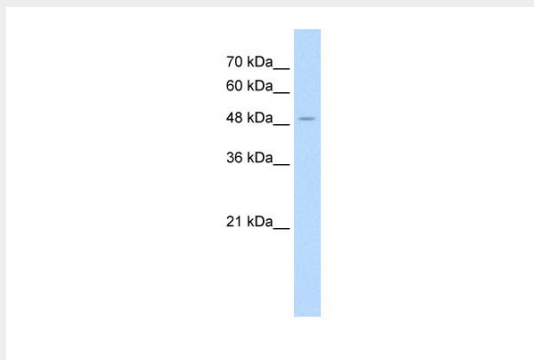
AADAT antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AADAT antibody - N-terminal region - Images

Human kidney

A Western blot image showing a single band at approximately 48 kDa. The molecular weight markers are indicated on the left: 70 kDa, 60 kDa, 48 kDa, 36 kDa, and 21 kDa. The band is located between the 48 kDa and 60 kDa markers, closer to the 48 kDa marker.

70 kDa
60 kDa
48 kDa
36 kDa
21 kDa

WB Suggested Anti-AADAT Antibody Titration: 1.25µg/ml
Positive Control: HepG2 cell lysate

AADAT antibody - N-terminal region - References

Goh,D.L.,(2002)Mol.Genet.Metab.76(3),172-180ReconstitutionandStorage:Forshorttermuse,storeat 2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.