

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.

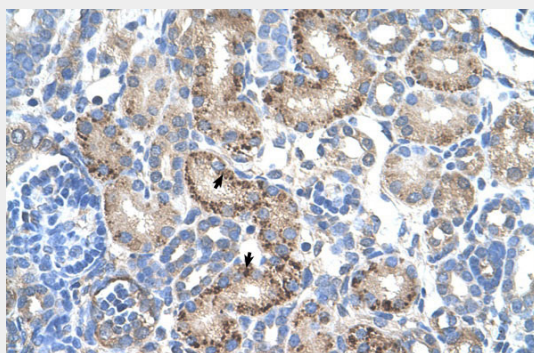
Tissue Location

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

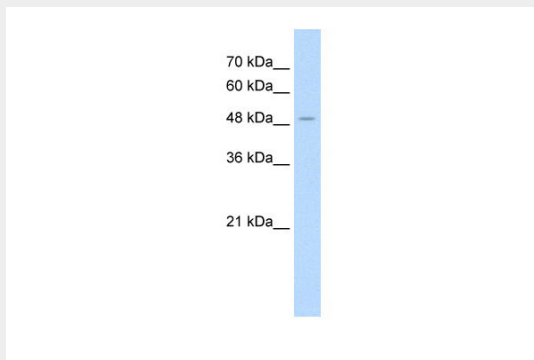
AADAT antibody - N-terminal region - Protocols

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



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.