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

Specification

AADAT antibody - N-terminal region - Product Information

Application	**IHC, WB**
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.

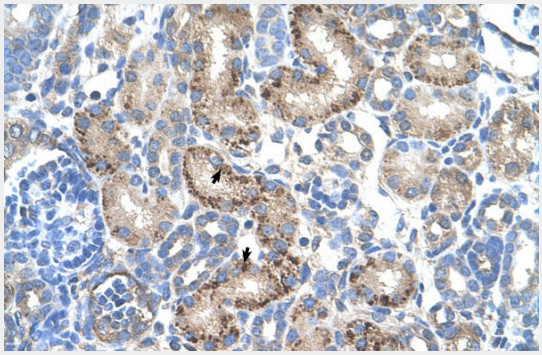
Tissue Location
Higher expression in the liver. Also found in heart, brain, kidney, pancreas, prostate, testis and ovary

AADAT antibody - N-terminal region - Protocols

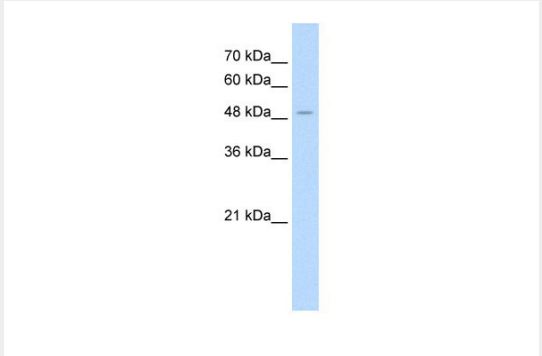
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AADAT antibody - N-terminal region - Images



Human kidney



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.