

KATII / AADAT Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS11112**Specification**

KATII / AADAT Antibody (Internal) - Product Information

Application	IHC
Primary Accession	Q8N5Z0
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47kDa KDa

KATII / AADAT Antibody (Internal) - Additional Information**Gene ID** 51166**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

Target/Specificity

Human AADAT. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Store at 4°C for short term applications. For long term storage, aliquot and store at -20°C.

Precautions

KATII / AADAT Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

KATII / AADAT Antibody (Internal) - 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.

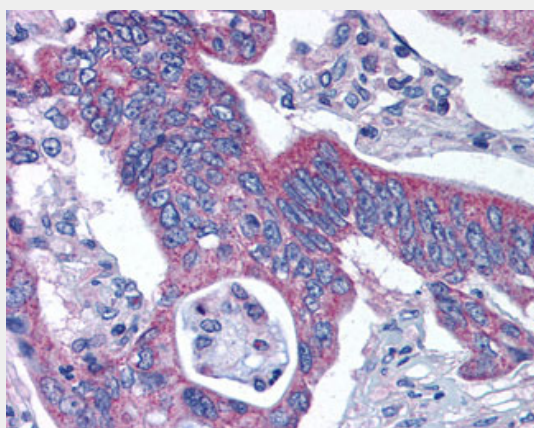
Tissue Location

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

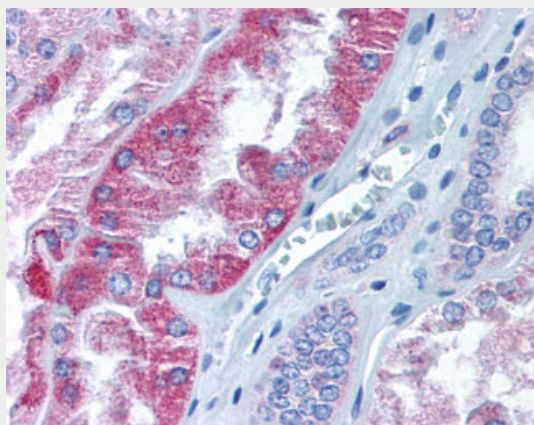
KATII / AADAT Antibody (Internal) - Protocols

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](#)

KATII / AADAT Antibody (Internal) - Images

Anti-KATII / AADAT antibody IHC of human Colon, Carcinoma.



Anti-AADAT antibody ALS11112 IHC of human kidney.

KATII / AADAT Antibody (Internal) - Background

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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).

KATII / AADAT Antibody (Internal) - References

Gatti S.,et al.Submitted (OCT-1998) to the EMBL/GenBank/DDBJ databases.
Goh D.L.M.,et al.Mol. Genet. Metab. 76:172-180(2002).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Han Q.,et al.Biosci. Rep. 28:205-215(2008).
Han Q.,et al.J. Biol. Chem. 283:3567-3573(2008).