

**Anti-KAT II (RABBIT) Antibody**  
**KAT II Antibody**  
**Catalog # ASR5662**

**Specification**

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**Anti-KAT II (RABBIT) Antibody - Product Information**

Host	Rabbit
Conjugate	Unconjugated
Target Species	Mouse
Reactivity	Mouse
Clonality	Polyclonal
Application	WB, E, I, LCI
Application Note	Anti-KAT II antibody is useful for ELISA, immunohistochemistry, and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~49kDa corresponding to the appropriate cell lysate or extract.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	KAT II affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region near the N terminus of mouse KAT II.
Stabilizer	30% Glycerol

**Anti-KAT II (RABBIT) Antibody - Additional Information**

**Gene ID** 51166

**Purity**

Anti-KAT II was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest cross-reactivity with human, rat, and mouse based on 100% sequence homology. Cross-reactivity with KAT II from other sources has not been determined.

**Storage Condition**

Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

**Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

**Anti-KAT II (RABBIT) Antibody - Protein Information**

**Name** AADAT ([HGNC:17929](#))

**Function**

Transaminase with broad substrate specificity. Has transaminase activity towards amino adipate, 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-methyl 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

**Anti-KAT II (RABBIT) Antibody - 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](#)

**Anti-KAT II (RABBIT) Antibody - Images**

**Anti-KAT II (RABBIT) Antibody - Background**

Kynurenine aminotransferase II (KATII) is the major enzyme responsible for the synthesis of the endogenous neuroprotectant kynurenic acid in the brain. Anti-KAT II antibody is ideal for researchers interested in Metabolism and Signal Transduction research.