

Anti-ATTY Picoband Antibody
Catalog # ABO10096**Specification**

Anti-ATTY Picoband Antibody - Product Information

Application	WB
Primary Accession	P17735
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Tyrosine aminotransferase(TAT) detection. Tested with WB in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-ATTY Picoband Antibody - Additional Information

Gene ID 6898

Other Names

Tyrosine aminotransferase, TAT, 2.6.1.5, L-tyrosine:2-oxoglutarate aminotransferase, TAT

Calculated MW

50399 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Protein Name

Tyrosine aminotransferase

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence in the middle region of human ATTY (169-208aa FSLYKTLAESMGIEVKLYNLLPEKSWEIDLKQLEYLIDEK), different from the related mouse and rat sequences by two amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After r°Constitution,

at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-ATTY Picoband Antibody - Protein Information

Name TAT

Function

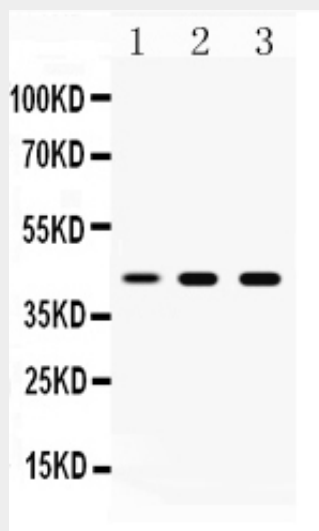
Transaminase involved in tyrosine breakdown. Converts tyrosine to p-hydroxyphenylpyruvate. Can catalyze the reverse reaction, using glutamic acid, with 2-oxoglutarate as cosubstrate (in vitro). Has much lower affinity and transaminase activity towards phenylalanine.

Anti-ATTY Picoband 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-ATTY Picoband Antibody - Images



Western blot analysis of ATTY expression in rat spleen extract (lane 1), mouse liver extract (lane 2) and A549 whole cell lysates (lane 3). ATTY at 42KD was detected using rabbit anti- ATTY Antigen Affinity purified polyclonal antibody (Catalog # ABO10096) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-ATTY Picoband Antibody - Background

This nuclear gene encodes a mitochondrial protein tyrosine aminotransferase which is present in the liver and catalyzes the conversion of L-tyrosine into p-hydroxyphenylpyruvate. Mutations in this gene cause tyrosinemia (type II, Richner-Hanhart syndrome), a disorder accompanied by major skin and corneal lesions, with possible mental retardation. A regulator gene for tyrosine aminotransferase is X-linked.