

# Anti-ATTY Picoband Antibody

Catalog # ABO10096

## Product Information

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|--------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB                                                                                                              |
| <b>Primary Accession</b> | <a href="#">P17735</a>                                                                                          |
| <b>Host</b>              | Rabbit                                                                                                          |
| <b>Reactivity</b>        | Human, Mouse, Rat                                                                                               |
| <b>Clonality</b>         | Polyclonal                                                                                                      |
| <b>Format</b>            | Lyophilized                                                                                                     |
| <b>Description</b>       | Rabbit IgG polyclonal antibody for Tyrosine aminotransferase(TAT) detection. Tested with WB in Human;Mouse;Rat. |
| <b>Reconstitution</b>    | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                            |

## Additional Information

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| <b>Gene ID</b>             | 6898                                                                                                                                                                                                            |
| <b>Other Names</b>         | Tyrosine aminotransferase, TAT, 2.6.1.5, L-tyrosine:2-oxoglutarate aminotransferase, TAT                                                                                                                        |
| <b>Calculated MW</b>       | 50399                                                                                                                                                                                                           |
| <b>Application Details</b> | Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat                                                                                                                                                                  |
| <b>Source</b>              | Eukaryota                                                                                                                                                                                                       |
| <b>Protein Name</b>        | Tyrosine aminotransferase                                                                                                                                                                                       |
| <b>Contents</b>            | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> .                                                                                                      |
| <b>Immunogen</b>           | 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. |
| <b>Purification</b>        | Immunogen affinity purified.                                                                                                                                                                                    |
| <b>Cross Reactivity</b>    | No cross reactivity with other proteins.                                                                                                                                                                        |
| <b>Storage</b>             | At -20 °C for one year. After reconstitution, 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.                              |

## Protein Information

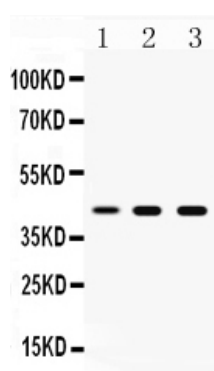
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| <b>Name</b>     | TAT                                                                                                                                                                                                                                                                        |
| <b>Function</b> | 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. |

## 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.

## 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  $\mu$ g/mL. The blot was developed using chemiluminescence (ECL) method .

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