

Product datasheet

Anti-ATTY antibody [EPR6121] α b125000

Recombinant RabMAb

1 References 3 Images

Overview

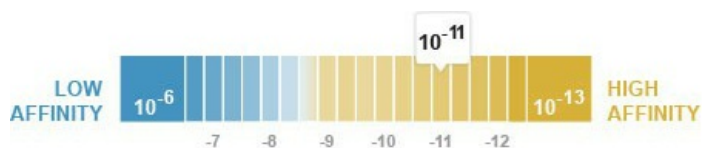
Product name	Anti-ATTY antibody [EPR6121]
Description	Rabbit monoclonal [EPR6121] to ATTY
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human ATTY aa 300-400. The exact sequence is proprietary.
Positive control	HepG2 (treated with insulin), HepG2, and A549 cell lysates; Human brain tissue.
General notes	

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#)

This product is a recombinant rabbit monoclonal antibody.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K_D)	K _D = 4.19 x 10 ⁻¹¹ M



[Learn more about K_D](#)

Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal

Clone number EPR6121

Isotype IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab125000** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 50 kDa (predicted molecular weight: 50 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Heat up to 98 degrees C, below boiling, and then let cool for 10-20 min.
ICC		1/50 - 1/100.

Application notes Is unsuitable for Flow Cyt or IP.

Target

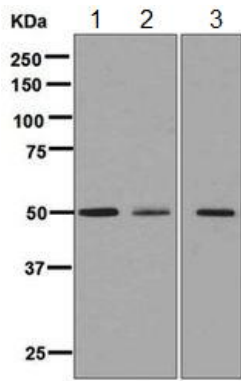
Function Transaminase involved in tyrosine breakdown. Converts tyrosine to p-hydroxyphenylpyruvate. Can catalyze the reverse reaction, using glutamic acid, with 2-oxoglutarate as cosubstrate (in vitro). Has no transaminase activity towards phenylalanine.

Pathway Amino-acid degradation; L-phenylalanine degradation; acetoacetate and fumarate from L-phenylalanine: step 2/6.

Involvement in disease Defects in TAT are the cause of tyrosinemia type 2 (TYRO2) [MIM:276600]; also known as Richner-Hanhart syndrome. TYRO2 is an inborn error of metabolism characterized by elevations of tyrosine in the blood and urine, and oculocutaneous manifestations. Typical features include palmoplantar keratosis, painful corneal ulcers, and mental retardation.

Sequence similarities Belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family.

Images



Western blot - Anti-ATTY antibody [EPR6121]
(ab125000)

All lanes : Anti-ATTY antibody [EPR6121]
(ab125000) at 1/1000 dilution

Lane 1 : HepG2 cell lysate, treated with
insulin

Lane 2 : HepG2 cell lysate, untreated

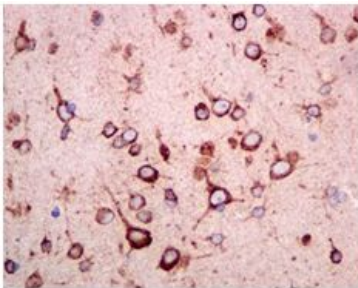
Lane 3 : A549 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

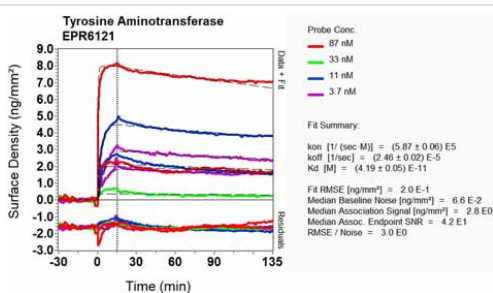
All lanes : Goat anti-Rabbit HRP at 1/2000
dilution

Predicted band size: 50 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-ATTY antibody
[EPR6121] (ab125000)

ab125000 at 1/50 dilution staining ATTY in
paraffin-embedded Human brain tissue by
Immunohistochemistry.



Other - Anti-ATTY antibody [EPR6121] (ab125000)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

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