

For Research Use Only

TAT Polyclonal antibody

Catalog Number:33698-1-AP



Basic Information

Catalog Number:

33698-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG39227

GenBank Accession Number:

BC130534

GeneID (NCBI):

6898

UNIPROT ID:

P17735

Full Name:

tyrosine aminotransferase

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

Applications

Tested Applications:

IHC, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : mouse liver tissue, rat liver tissue

IF/ICC : A549 cells,

Background Information

Tyrosine aminotransferase, also known as tyrosine transaminase, is the first enzyme in the catabolic pathway of tyrosine. The gene of this transaminase is regulated by glucocorticoid hormones as well as via the cAMP pathway. TAT reversibly catalyses Tyr to 4-hydroxyphenylpyruvate (4-HPP), which is the substrate for pathways producing plastoquinone^{31, 32}, tocopherols³³, phenolic acid^{14, 28}, and benzylisoquinoline alkaloid (BIA)³⁴ in plants, although tyrosine is synthesised from 4-HPP by TAT in bacteria (28687763).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

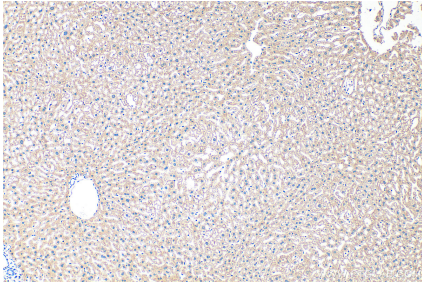
T: 4006900926

E: Proteintech-CN@ptglab.com

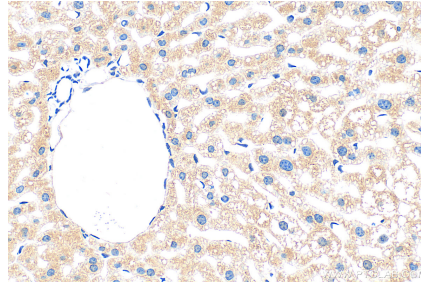
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

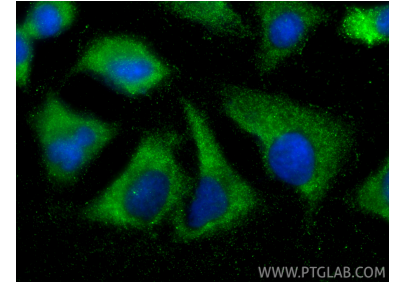
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 33698-1-AP (TAT antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 33698-1-AP (TAT antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using TAT antibody (33698-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).