

For Research Use Only

TAT Polyclonal antibody

Catalog Number: 33698-1-AP



Basic Information

Catalog Number: 33698-1-AP	GenBank Accession Number: BC130534	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 6898	Recommended Dilutions: IHC: 1:50-1:500 IF/ICC: 1:50-1:500
Source: Rabbit	UNIPROT ID: P17735	
Isotype: IgG	Full Name: tyrosine aminotransferase	
Immunogen Catalog Number: AG39227		

Applications

Tested Applications: IHC, IF/ICC, ELISA	Positive Controls: IHC : mouse liver tissue, rat liver tissue IF/ICC : A549 cells,
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	

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

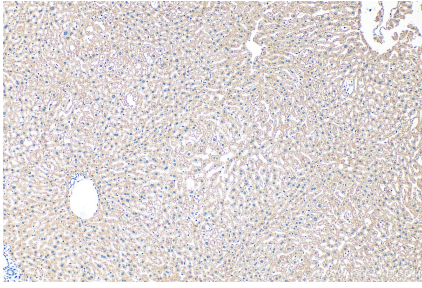
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

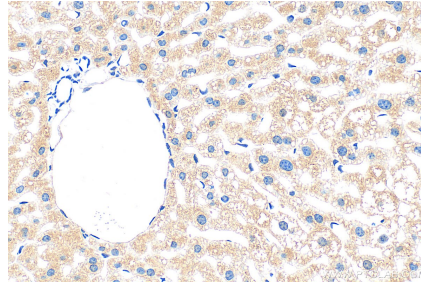
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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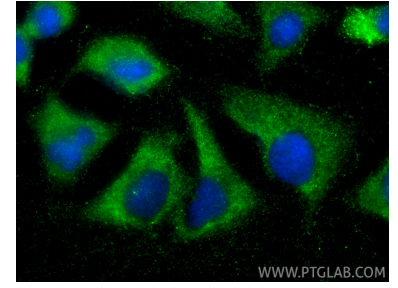
Selected Validation Data



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).