

For Research Use Only

OTC Monoclonal antibody

Catalog Number: 67553-1-Ig **2 Publications**



Basic Information

Catalog Number: 67553-1-Ig	GenBank Accession Number: BC074745	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop and 500 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5009	CloneNo.: 2F11C7
Source: Mouse	UNIPROT ID: P00480	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:4000-1:16000
Isotype: IgG2a	Full Name: ornithine carbamoyltransferase	
Immunogen Catalog Number: AG24186	Calculated MW: 354 aa, 40 kDa	
	Observed MW: 36 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : pig liver tissue, rat liver tissue, mouse liver tissue IHC : human liver cancer tissue, human liver tissue, rat colon tissue
Cited Applications: WB	
Species Specificity: Human, mouse, rat, pig	
Cited Species: human, mouse	
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

Ornithine transcarbamylase (OTC) is a liver and intestinal mucosa-located, intramitochondrial, rate-limiting enzyme in the urea cycle. It catalyzes the reaction that converts ornithine and carbamoyl phosphate into citrulline, which is the second step of the urea cycle, to detoxify the ammonia produced from amino acid catabolism.

Notable Publications

Author	Pubmed ID	Journal	Application
Ke Wang	39011520	Biomater Res	WB
PamelaSara E Head	35613279	Sci Transl Med	WB

Storage

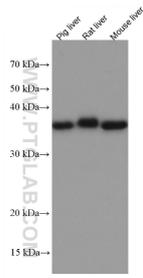
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

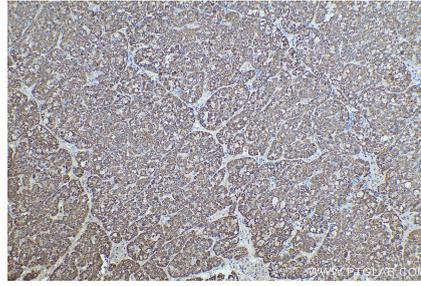
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67553-1-Ig (OTC antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67553-1-Ig (OTC antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).