

For Research Use Only

# OTC Monoclonal antibody

Catalog Number: 67553-1-Ig



## Basic Information

<b>Catalog Number:</b> 67553-1-Ig	<b>GenBank Accession Number:</b> BC074745	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 5009	<b>CloneNo.:</b> 2F11C7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P00480	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:4000-1:16000
<b>Isotype:</b> IgG2a	<b>Full Name:</b> ornithine carbamoyltransferase	
<b>Immunogen Catalog Number:</b> AG24186	<b>Calculated MW:</b> 354 aa, 40 kDa	
	<b>Observed MW:</b> 36 kDa	

## Applications

**Tested Applications:**  
IHC, WB, ELISA

**Species Specificity:**  
Human, mouse, rat, pig

**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:**

**WB :** pig liver tissue, rat liver tissue, mouse liver tissue

**IHC :** human liver cancer tissue, human liver tissue, rat colon tissue

## 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.

## 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

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

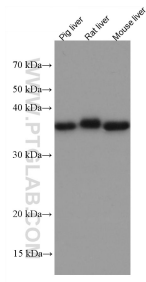
T: 4006900926

E: Proteintech-CN@ptglab.com

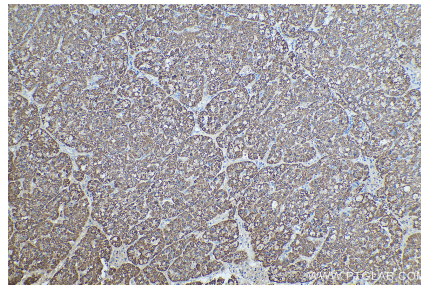
W: ptgcn.com

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

## Selected Validation Data



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).