

For Research Use Only

# OTC Monoclonal antibody, PBS Only

Catalog Number: 67553-1-PBS



## Basic Information

**Catalog Number:**

67553-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Mouse

**Isotype:**

IgG2a

**Immunogen Catalog Number:**

AG24186

**GenBank Accession Number:**

BC074745

**GeneID (NCBI):**

5009

**UNIPROT ID:**

P00480

**Full Name:**

ornithine carbamoyltransferase

**Calculated MW:**

354 aa, 40 kDa

**Observed MW:**

36 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

2F11C7

## Applications

**Tested Applications:**

WB, IHC, Indirect ELISA

**Species Specificity:**

Human, mouse, rat, pig

## 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 -80°C.

**Storage Buffer:**

PBS Only

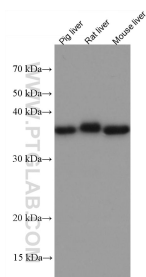
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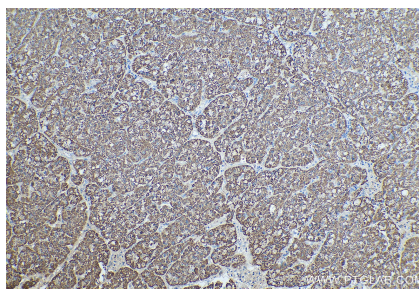
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## Selected Validation Data



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. This data was developed using the same antibody clone with 67553-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67553-1-PBS in a different storage buffer formulation.