BOSTER BIOLOGICAL TECHNOLOGY
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Anti-OTC Antibody (Center)

Catalog Number: A00721-2

About OTC

OTC is a mitochondrial matrix enzyme. Missense, nonsense, and frameshift mutations in this enzyme lead to ornithine transcarbamylase deficiency, which causes hyperammonemia.

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Overview

Product Name	Anti-OTC Antibody (Center)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-OTC Antibody (Center) (Catalog # A00721-2). Tested in IHC-P, Flow Cytometry, WB application(s). This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IHC-P, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P00480

Technical Details

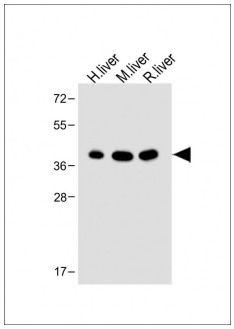
Immunogen	This OTC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 71-98 amino acids of human OTC.
Predicted Reactive Species	Bovine, Pig, Sheep
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross reactivity with other proteins.

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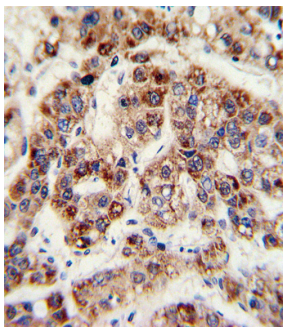
Isotype	Rabbit IgG
Form	Liquid
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	WB: 1:2000 IHC-P: 1:10-1:50 FC: 1:10-1:50

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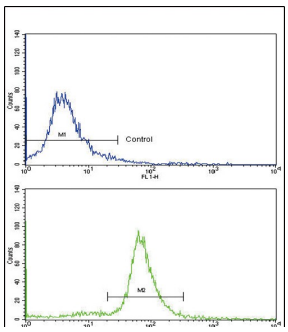
Anti-OTC Antibody (Center) (A00721-2) Images



All lanes : Anti-OTC Antibody (Center) at 1:2000 dilutionLane 1: Human liver lysateLane 2: Mouse liver lysateLane 3: Rat liver lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 40 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human hepatoarcinoma with OTC Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow cytometric analysis of ATDC5 cells using OTC Antibody (Center)(bottom histogram) compared to a negative control (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Anti-OTC Antibody (Center)

For Research Use Only. Not for use in diagnostic procedures.