

Rabbit OTC Polyclonal Antibody | anti-OTC antibody

OTC Antibody (Center)

CATALOG # AAA288731	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Bovine, Mouse, Pig, Rat)	APPLICATIONS Western Blot, Immunohistochemistry, ELISA, Flow Cytometry, Functional Assay
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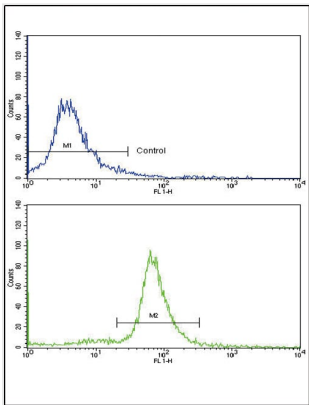
PRODUCT SYNONYMS

OTC; Polyclonal Antibody; OTC Antibody (Center); Ornithine carbamoyltransferase; mitochondrial; Ornithine transcarbamylase; OTCase; anti-OTC antibody

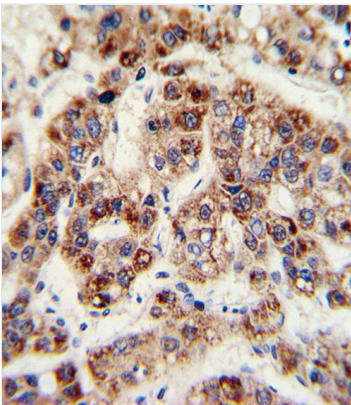
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This OTC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 71-98 amino acids from the Central region of human OTC.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	71-98
Sequence Length	354
Applicable Applications for anti-OTC antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

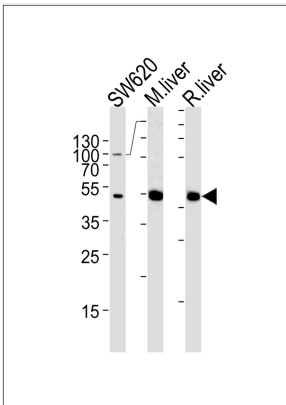
IMAGES



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



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma 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.



WB (Western Blot)
OTC Antibody (Center) western blot analysis in SW620 cell line and mouse liver?rat liver lysates (35ug/lane).This demonstrates the OTC antibody detected the OTC protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-OTC antibody	OTC is a mitochondrial matrix enzyme. Missense, nonsense, and frameshift mutations in this enzyme lead to ornithine transcarbamylase deficiency, which causes hyperammonemia.
Product Categories/Family for anti-OTC antibody	Crown Antibodies; Metabolism; Signal Transduction
References	Hansmannel,F., et.al., Neurosci. Lett. 449 (1), 76-80 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	38788445
NCBI GeneID	5009
NCBI Accession #	NP_000522.3
NCBI GenBank Nucleotide #	NM_000531.5
UniProt Accession #	P00480; Q3KNR1; Q6B0I1; Q9NYJ5; A8K9P2; D3DWB0
Molecular Weight	39935
NCBI Official Full Name	ornithine carbamoyltransferase, mitochondrial

NCBI Official Synonym Full Names	ornithine carbamoyltransferase
NCBI Official Symbol	OTC
NCBI Official Synonym Symbols	OCTD
NCBI Protein Information	ornithine carbamoyltransferase, mitochondrial
UniProt Protein Name	Ornithine carbamoyltransferase, mitochondrial
UniProt Gene Name	OTC
UniProt Synonym Gene Names	OTCase
UniProt Entry Name	OTC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/otc-antibody-western-blot-immunohistochemistry-flow-cytometry-elisa/288731>