

Rabbit OTC Polyclonal Antibody | anti-OTC antibody

OTC antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198990	Rabbit	Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep	Western Blot, Immunohistochemistry

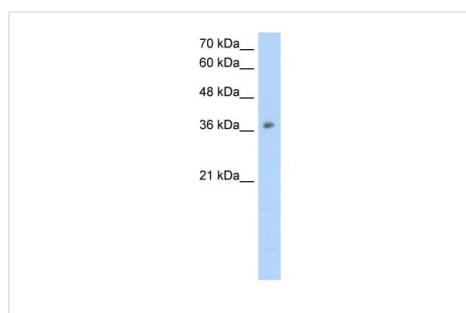
PRODUCT SYNONYMS

OTC; Polyclonal Antibody; OTC antibody - N-terminal region; anti-OTC antibody

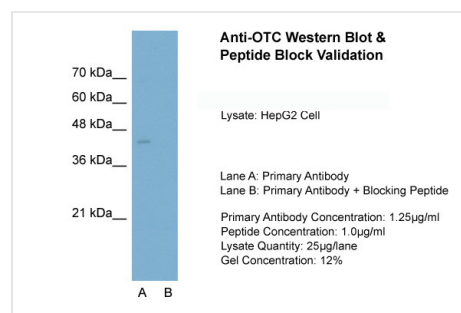
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: AF RNGTHFMVRN FRGQPLQNK VQLKGRDLLT LKNFTGEEIK YMLWLSAD
Sequence Length	354
Applicable Applications for anti-OTC antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Goat: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 93%; Rat: 100%; Sheep: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human OTC
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

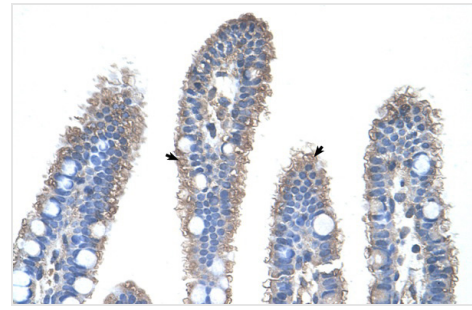
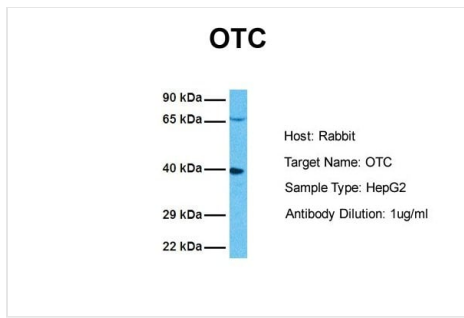
IMAGES


WB (Western Blot)

WB Suggested Anti-OTC Antibody Titration: 2.5ug/ml Positive Control: HepG2 cell lysate


WB (Western Blot)

Host: Rabbit Target Name: OTC Sample Type: HepG2 Lane A: Primary Antibody Lane B: Primary Antibody + Blocking Peptide Primary Antibody Concentration: 1.25ug/mL Peptide Concentration: 1.0ug/mL Lysate Quantity: 25ug/lane Gel Concentration: 12%



WB (Western Blot)

Host: Rabbit Target Name: OTC Sample Tissue: Human HepG2 Antibody Dilution: 1.0ug/ml

IHC (Immunohistochemistry)

Rabbit Anti-OTC Antibody Paraffin Embedded Tissue: Human Intestine Cellular Data: Epithelial cells of intestinal villas Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X

ADDITIONAL INFORMATION

Related Product Information for anti-OTC antibody	This is a rabbit polyclonal antibody against OTC. It was validated on Western Blot and immunohistochemistry Target Description: OTC is a mitochondrial matrix enzyme. Missense, nonsense, and frameshift mutations in this enzyme lead to ornithine transcarbamylase deficiency, which causes hyperammonemia. Since the gene for this enzyme maps close to that for Duchenne muscular dystrophy, it may play a role in that disease also. This nuclear gene encodes a mitochondrial matrix enzyme. Missense, nonsense, and frameshift mutations in this enzyme lead to ornithine transcarbamylase deficiency, which causes hyperammonemia. Since the gene for this enzyme maps close to that for Duchenne muscular dystrophy, it may play a role in that disease also.
Product Categories/Family for anti-OTC antibody	Polyclonal; Drugs and Drug Metabolism; Chromatin & Nuclear Signaling; Disease Related; Tissue Specific & Cell Marker; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	38788445
NCBI GeneID	5009
NCBI Accession #	NP_000522
NCBI GenBank Nucleotide #	NM_000531
UniProt Accession #	P00480
Molecular Weight	39kDa
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-elisa/198990>