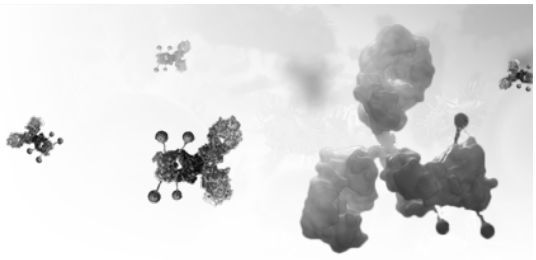

Anti-OTC (center region) polyclonal antibody (CPBT-42460RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Human OTC.
Antigen Description	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.
Specificity	Mainly expressed in liver and intestinal mucosa.
Immunogen	KLH conjugated synthetic peptide selected from the Center region of Human Ornithine Carbamoyltransferase.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, ELISA
Sequence Similarities	Belongs to the ATCase/OTCase family.
Cellular Localization	Mitochondrion matrix.
Format	Liquid
Size	100 µg

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Buffer	Preservative: 0.09% Sodium AzideConstituents: PBS
Preservative	0.09% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	OTC ornithine carbamoyltransferase [Homo sapiens]
Official Symbol	OTC
Synonyms	OTC; ornithine carbamoyltransferase; ornithine carbamoyltransferase, mitochondrial; EC 2.1.3.3; MGC129967; MGC129968; MGC138856; OCTD; Ornithine carbamoyltransferase mitochondrial; Ornithine carbamoyltransferase, mitochondrial; Ornithine transcarbamylase; OTC; OTC_HUMAN; OTCase; OTCase; OTTHUMP00000024343; ornithine transcarbamylase; OCTD;
Entrez Gene ID	5009
Protein Refseq	NP_000522
UniProt ID	P00480
Chromosome Location	Xp21.1
Pathway	Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Urea cycle, organism-specific biosystem; Urea cycle, organism-specific biosystem; Urea cycle, conserved biosystem; Urea cycle and metabolism of amino groups, organism-specific biosystem; arginine biosynthesis IV, conserved
Function	amino acid binding; ornithine carbamoyltransferase activity; ornithine carbamoyltransferase activity; phosphate ion binding; phospholipid binding; transferase activity;

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221