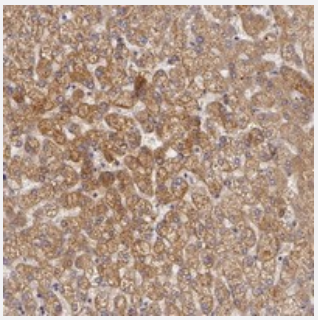
OTC polyclonal antibody

Catalog # PAB19978 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human liver with OTC polyclonal antibody (Cat # PAB19978) shows moderate cytoplasmic positivity in hepatocytes at 1:20-1:50 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant OTC.
Immunogen	Recombinant protein corresponding to amino acids of human OTC.
Sequence	QLKGRDLLTLKNFTGEEIKYMLWLSADLKFRIKQKGEYLPLLQGKSLGMIFEKRSTRTRLSTETGFA LLGGHPCFLTTQDIHLGVNESLTDTARVLSSMADAVLAR
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:20-1:50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)

Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — OTC

Entrez GeneID	5009
Protein Accession#	P00480
Gene Name	OTC
Gene Alias	MGC129967, MGC129968, MGC138856, OCTD
Gene Description	ornithine carbamoyltransferase
Omim ID	300461 311250
Gene Ontology	Hyperlink
Gene Summary	This nuclear gene encodes a mitochondrial matrix enzyme. Missense, nonsense, and frameshift mutations in this enzyme lead to ornithine transcarbamylase deficiency, which causes hyperammo nemia. Since the gene for this enzyme maps close to that for Duchenne muscular dystrophy, it ma y play a role in that disease also. [provided by RefSeq
Other Designations	OTTHUMP00000024343|ornithine transcarbamylase

Pathway

- Arginine and proline metabolism
- Metabolic pathways

Disease

- Alzheimer disease
- Genetic Predisposition to Disease
- Ornithine Carbamoyltransferase Deficiency Disease