

## Rabbit anti-Human, Mouse OTC Polyclonal Antibody | anti-OTC antibody

OTC Antibody

|                               |                       |                                   |                                                           |
|-------------------------------|-----------------------|-----------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA301931</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|-----------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

OTC; Polyclonal Antibody; OTC Antibody; OCTD; anti-OTC antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                 |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                          |
| Reactivity                                    | Human, Mouse                                                                                                    |
| Clonality                                     | Polyclonal                                                                                                      |
| Specificity                                   | The antibody detects endogenous levels of total OTC protein.                                                    |
| Purity/Purification                           | Antigen affinity purification.                                                                                  |
| Form/Format                                   | Rabbit IgG in pH7.3 PBS, 0.05% NaN <sub>3</sub> , 50% Glycerol.                                                 |
| Concentration                                 | 2.8 mg/ml (varies by lot)                                                                                       |
| Sequence Length                               | 354                                                                                                             |
| Applicable Applications for anti-OTC antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                   |
| Immunogen Type                                | Recombinant Protein                                                                                             |
| Immunogen Description                         | Fusion protein corresponding to a region derived from internal residues of human ornithine carbamoyltransferase |
| Target Name                                   | OTC                                                                                                             |
| Preparation and Storage                       | Store at -20 degree C                                                                                           |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue using at dilution 1/50.



#### Application Data

Gel: 8%SDS-PAGE Lysates (from left to right): Mouse liver tissue Amount of lysate: 40ug per lane Primary antibody: 1/800 dilution Secondary antibody dilution: 1/8000 Exposure time: 1 second

### ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-OTC antibody | 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   | Total protein Ab                                                                                                                                                                                                                                                                                                             |

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                 | 39,935 Da                                      |
| 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/otc-antibody-immunohistochemistry-western-blot-elisa/301931>