

Product datasheet for **TA350254S**

Ornithine Carbamoyltransferase (OTC) Rabbit Polyclonal Antibody

Product data:

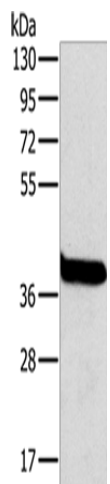
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse liver tissue IHC: 50-200 Positive control: Human tonsil Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human OTC
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	40 kDa
Gene Name:	ornithine carbamoyltransferase
Database Link:	NP_000522 Entrez Gene 18416 Mouse Entrez Gene 25611 Rat Entrez Gene 5009 Human P00480
Background:	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.
Synonyms:	OCTD
Protein Families:	Druggable Genome



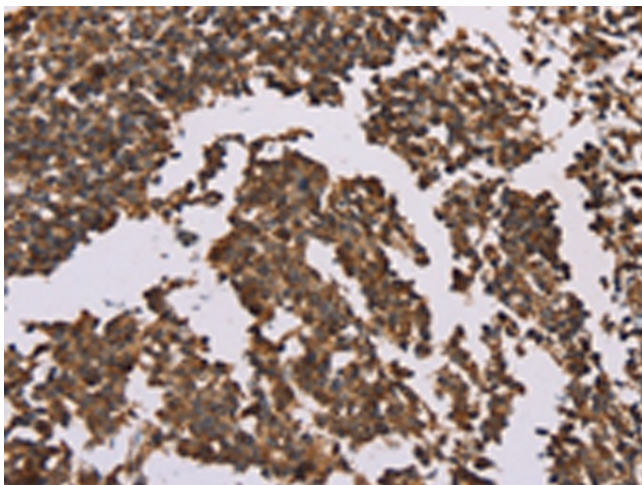
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Protein Pathways: Arginine and proline metabolism, Metabolic pathways

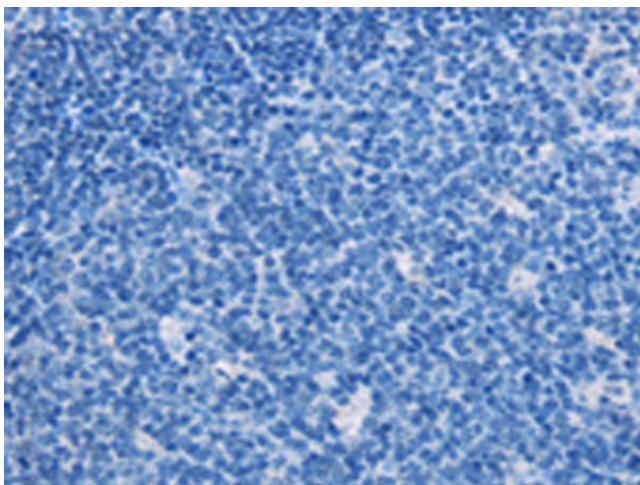
Product images:



Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane: Mouse liver tissue
Primary antibody: [TA350254] (OTC Antibody) at dilution 1/800
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 1 second



Immunohistochemistry of paraffin-embedded Human tonsil tissue using [TA350254] (OTC Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using [TA350254] (OTC Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: $\times 200$)