

Product Datasheet

Ornithine Carbamoyltransferase Antibody - BSA Free NBP1-31582

Unit Size: 100 ul

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP1-31582**Ornithine Carbamoyltransferase Antibody - BSA Free**

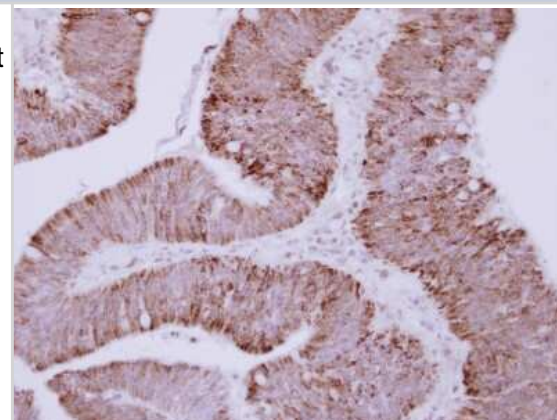
Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol
Target Molecular Weight	40 kDa

Product Description	
Host	Rabbit
Gene ID	5009
Gene Symbol	OTC
Species	Human, Mouse
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Chicken (80%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human Ornithine Carbamoyltransferase. The exact sequence is proprietary.

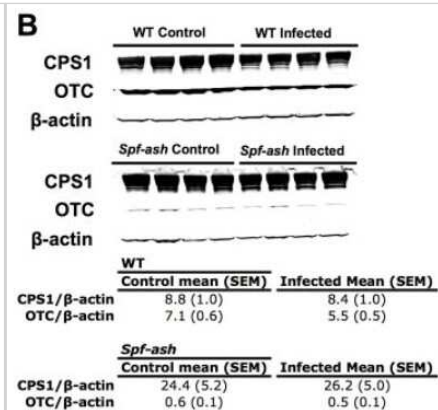
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:30000, Immunohistochemistry 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen Assay dependent

Images

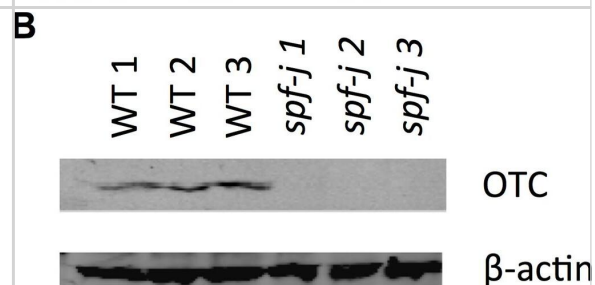
Immunohistochemistry-Paraffin: Ornithine Carbamoyltransferase Antibody [NBP1-31582] - Paraffin-embedded Colon ca, using antibody at 1:250 dilution.



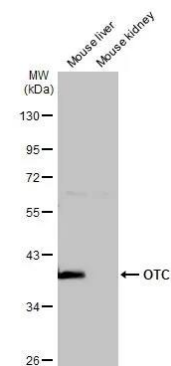
Western Blot: Ornithine Carbamoyltransferase Antibody [NBP1-31582] - Hepatic metabolic response during infection. Mice (n=4/group) matched for intake +/- infection with PR8 influenza were euthanized at Day 5 and livers were harvested. Immunoblot of CPS1 and OTC (Ornithine Carbamoyltransferase) protein. Image collected and cropped by CiteAb from the following publication (<https://dmm.biologists.org/cgi/doi/10.1242/dmm.013003>) licensed under a CC-BY license.



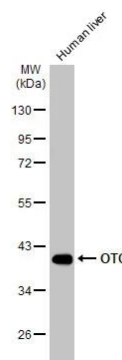
Western Blot: Ornithine Carbamoyltransferase Antibody [NBP1-31582] - OTC enzyme & biochemical parameters in spf-J males. Spf-J & WT were maintained on a regular chow diet (22% protein) & euthanized at 8 weeks. Blood was collected by retro-orbital bleeding with plasma separated & stored at -80°C until use. Tissues were snap frozen & stored at -80°C until use. A) mRNA level in spf-J (N = 4) & WT (N = 4) livers. B) Immunoblot of OTC protein. C) OTC enzyme activity in liver homogenates from spf-j (N = 6) & WT (N = 4). D) Plasma ammonia in spf-j (N = 7) & WT (N = 6). E) Plasma orotate in spf-j (N = 5) & WT (N = 6). Hatched bar indicates $P < 0.05$. WT – wild-type. Image collected & cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pone.0116594>), licensed under a CC0-1.0 license. Not internally tested by Novus Biologicals.



Western Blot: Ornithine Carbamoyltransferase Antibody [NBP1-31582] - Various tissue extracts (50 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Ornithine Carbamoyltransferase antibody (NBP1-31582) diluted at 1:30000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Western Blot: Ornithine Carbamoyltransferase Antibody [NBP1-31582] - Human tissue extract (5 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with Ornithine Carbamoyltransferase antibody (NBP1-31582) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Publications

Soria L, Perocheau D, De Sabbata G et al. Beclin-1-mediated activation of autophagy improves proximal and distal urea cycle disorders EMBO Mol Med 2020-12-28 [PMID: 33369168]

Dryja P, Curtsinger HD, Bartee MY, Bartee E Defects in intratumoral arginine metabolism attenuate the replication and therapeutic efficacy of oncolytic myxoma virus Journal for immunotherapy of cancer 2023-06-01 [PMID: 37270180] (WB, Mouse, Primate)

Tarasenko TN, Rosas OR, Singh LN et al. A New Mouse Model of Mild Ornithine Transcarbamylase Deficiency (spf-j) Displays Cerebral Amino Acid Perturbations at Baseline and upon Systemic Immune Activation PLoS ONE. 2015-02-04 [PMID: 25647322] (WB, Mouse)

Yoon JC, Ling AJ, Isik M et al. GLTSCR2/PICT1 links mitochondrial stress and Myc signaling. Proc Natl Acad Sci U S A. 2014-02-20 [PMID: 24556985] (WB, Human)

Mc Guire P, Tarasenko TN, Wang T et al. Acute metabolic decompensation due to influenza in a mouse model of ornithine transcarbamylase deficiency. Dis Model Mech. 2013-11-21 [PMID: 24271778] (WB, Mouse)





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Products Related to NBP1-31582

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-99051-50ug	Recombinant Human Ornithine Carbamoyltransferase His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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