

Product Datasheet

Ornithine Carbamoyltransferase Antibody - BSA Free NBP1-31582

Unit Size: 100 ul

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

www.novusbio.com



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Publications: 5

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

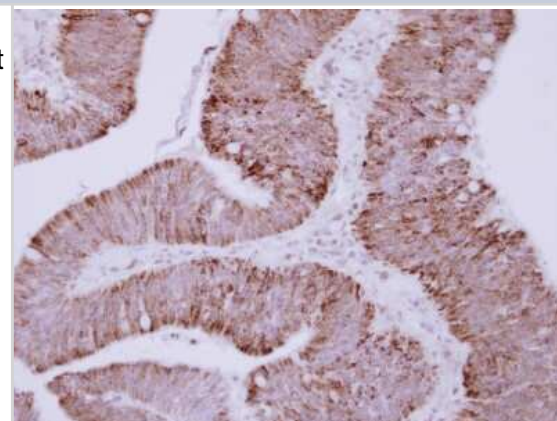
Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity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

Product Description	
Description	Novus Biologicals Rabbit Ornithine Carbamoyltransferase Antibody - BSA Free (NBP1-31582) is a polyclonal antibody validated for use in IHC and WB. Anti-Ornithine Carbamoyltransferase Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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.

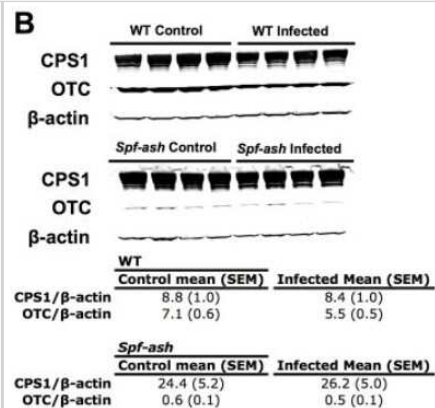
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:500-1:30000, Immunohistochemistry 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen Assay dependent

Images

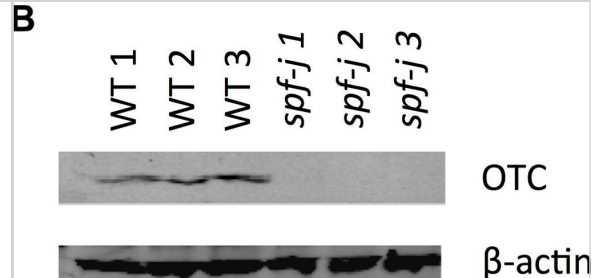
Immunohistochemistry-Paraffin: Ornithine Carbamoyltransferase Antibody [NBP1-31582] - Paraffin-embedded Colon ca, using antibody at 1:250 dilution.



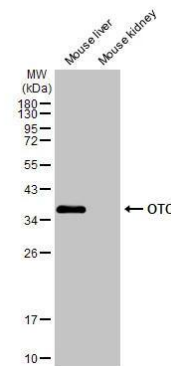
Western Blot: Ornithine Carbamoyltransferase Antibody [NBP1-31582] - Hepatic metabolic response during infection. Mice (n=4/group) matched for intake +/- infection with PR8 influenza were euthanized at Day 5 and livers were harvested. Immunoblot of CPS1 and OTC (Ornithine Carbamoyltransferase) protein. 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.



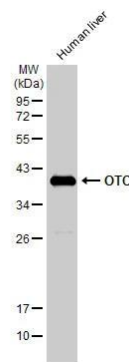
Western Blot: Ornithine Carbamoyltransferase Antibody [NBP1-31582] - OTC enzyme & biochemical parameters in spf-J males. Spf-J & WT were maintained on a regular chow diet (22% protein) & euthanized at 8 weeks. Blood was collected by retro-orbital bleeding with plasma separated & stored at -80°C until 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.



Various tissue extracts (50 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with Ornithine Carbamoyltransferase antibody (NBP1-31582) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Human tissue extract (5 ug) was separated by 12% 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] (Western Blot, Mouse)

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

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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