

Product Datasheet

Argininosuccinate Synthase Antibody NBP1-00153

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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Publications: 3

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NBP1-00153

Argininosuccinate Synthase Antibody

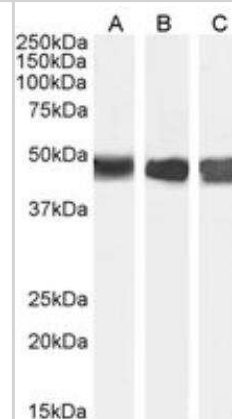
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat Argininosuccinate Synthase Antibody (NBP1-00153) is a polyclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-Argininosuccinate Synthase Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	445
Gene Symbol	ASS1
Species	Human, Rat, Bovine
Reactivity Notes	Bovine reactivity reported in scientific literature (PMID: 18948083); Rat reactivity reported in scientific literature (PMID: 24113767).
Specificity/Sensitivity	The variants represent identical protein (NP_000041.2 and NP_446464.1).
Immunogen	Peptide with sequence C-ENPKNQAPPGLYTKTQD corresponding to internal region according to NP_446464.1.

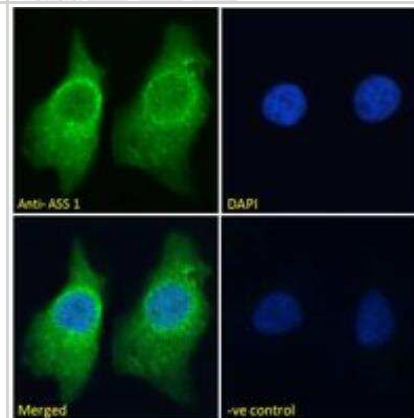
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 0.03 - 1 ug/mL, Flow Cytometry 10 ug/mL, Immunohistochemistry 2 - 4 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Immunohistochemistry-Paraffin 2 - 4 ug/mL, Peptide ELISA Detection limit 1:64000
Application Notes	IP successful usage from BAEC cells is reported in scientific literature (PMID: 18948083). WB: Approx. 45 kDa band observed in human kidney lysates (calculated MW of 46.5 kDa band according to NP_000041.2 and NP_446464.1). IHC-P: Human kidney shows textured cytoplasm staining in PCT.

Images

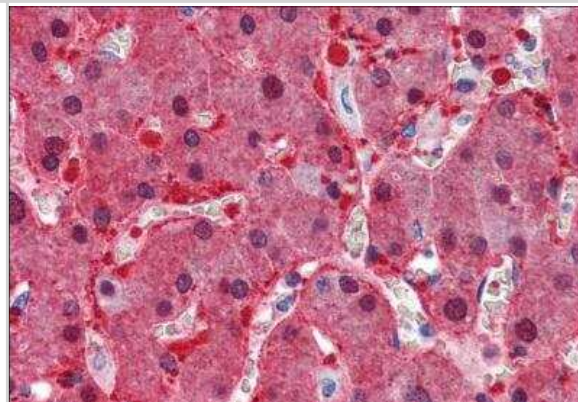
Western Blot: Argininosuccinate Synthase Antibody [NBP1-00153] - Staining of Human Kidney (A) Mouse Liver (B) with antibody at 0.01 ug/mL and Rat Kidney (C) lysate with antibody at 0.03 ug/mL (35 ug protein in RIPA buffer). Detected by chemiluminescence.



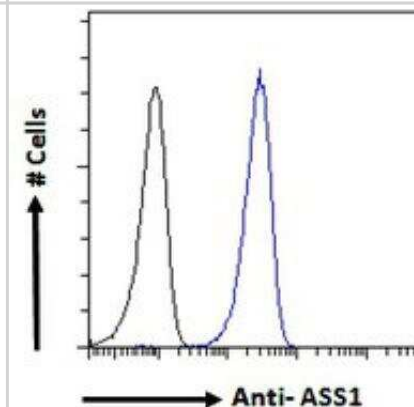
Immunocytochemistry/Immunofluorescence: Argininosuccinate Synthase Antibody [NBP1-00153] - Analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



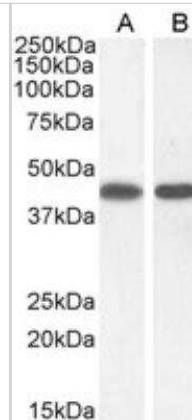
Immunohistochemistry-Paraffin: Argininosuccinate Synthase Antibody [NBP1-00153] - (2.5ug/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



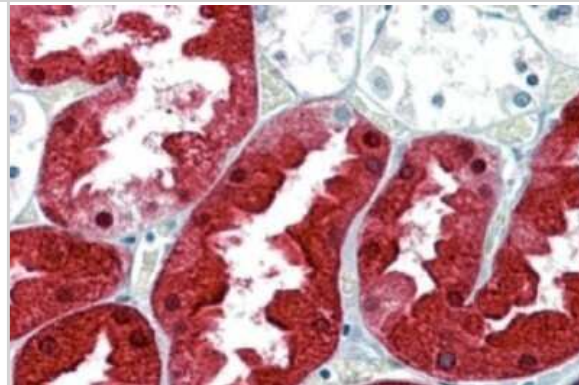
Flow Cytometry: Argininosuccinate Synthase Antibody [NBP1-00153] - Analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Western Blot: Argininosuccinate Synthase Antibody [NBP1-00153] - Staining of A431 (A) and (1ug/ml) NIH3T3(B) cell lysate (35 ug protein in RIPA buffer). Antibody at 0.3 ug/mL. Detected by chemiluminescence.



Immunohistochemistry-Paraffin: Argininosuccinate Synthase Antibody [NBP1-00153] - (2.5ug/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Publications

Hao G, Xie L, Gross SS. Argininosuccinate synthetase is reversibly inactivated by S-nitrosylation in vitro and in vivo. *J Biol Chem* 2004-08-27 [PMID: 15192091]

Zhong W, Li Q, Xie G et al. Dietary fat sources differentially modulate intestinal barrier and hepatic inflammation in alcohol-induced liver injury in rats. *Am J Physiol Gastrointest Liver Physiol* 2013-12-01 [PMID: 24113767] (WB, Rat)

Corbin KD, Pendleton LC, Solomonson LP et al. Phosphorylation of argininosuccinate synthase by protein kinase A. *Biochem Biophys Res Commun* 2008-12-01 [PMID: 18948083]



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Products Related to NBP1-00153

NBL1-07778	Argininosuccinate Synthase Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat 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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