

# Product Datasheet

## Argininosuccinate Synthase Antibody (11F1-RA) NBP3-32051

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP3-32051****Argininosuccinate Synthase Antibody (11F1-RA)**

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	11F1-RA
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG2b
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH7.4), 0.1% BSA and 40% Glycerol
<b>Target Molecular Weight</b>	47 kDa

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Argininosuccinate Synthase Antibody (11F1-RA) (NBP3-32051) is a recombinant monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	445
<b>Gene Symbol</b>	ASS1
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant protein within Human Argininosuccinate Synthase aa 1-412 / 412. (Uniprot: P00966)

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:5000-1:20000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:200, Immunohistochemistry-Paraffin 1:1000



## Images

Western Blot: Argininosuccinate Synthase Antibody (11F1-RA) [NBP3-32051] - Western blot analysis of Argininosuccinate Synthase on different lysates with Mouse anti-Argininosuccinate Synthase antibody (NBP3-32051) at 1/5,000 dilution.

Lane 1: HepG2 cell lysate (10 ug/Lane)  
 Lane 2: THP-1 cell lysate (10 ug/Lane)  
 Lane 3: SiHa cell lysate (10 ug/Lane)  
 Lane 4: Rat kidney tissue lysate (20 ug/Lane)

Predicted band size: 47 kDa  
 Observed band size: 47 kDa

Exposure time: 1 minute;

12% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody (NBP3-32051) at 1/5,000 dilution was used in 5% NFDm/TBST at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:150,000 dilution was used for 1 hour at room temperature.

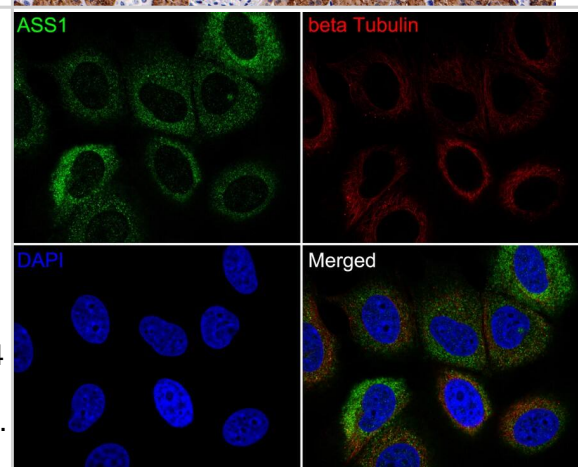
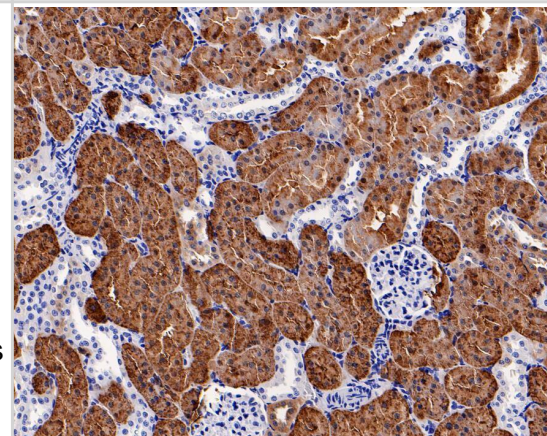
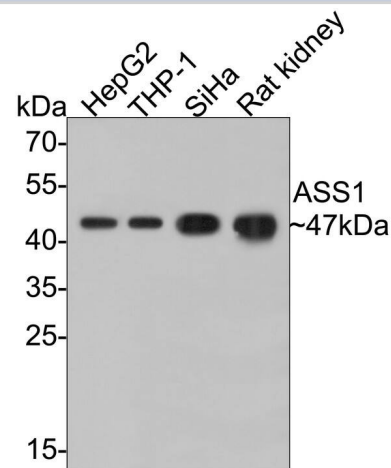
Immunohistochemistry: Argininosuccinate Synthase Antibody (11F1-RA) [NBP3-32051] - Immunohistochemical analysis of paraffin-embedded rat kidney tissue with Mouse anti-Argininosuccinate Synthase antibody (NBP3-32051) at 1/1,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32051) at 1/1,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

Immunocytochemistry/ Immunofluorescence: Argininosuccinate Synthase Antibody (11F1-RA) [NBP3-32051] - Immunocytochemistry analysis of MCF-7 cells labeling Argininosuccinate Synthase with Mouse anti-Argininosuccinate Synthase antibody (NBP3-32051) at 1/200 dilution.

Cells were fixed in 4% paraformaldehyde for 30 minutes, permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were then incubated with Mouse anti-Argininosuccinate Synthase antibody (NBP3-32051) at 1/200 dilution in 2% negative goat serum overnight at 4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. Nuclear DNA was labelled in blue with DAPI.

beta Tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 594) were used as the secondary antibody at 1/1,000 dilution.





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### **Products Related to NBP3-32051**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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### **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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