

Product Datasheet

NSP 5 alpha 3 alpha Antibody - BSA Free NB100-518

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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NB100-518

NSP 5 alpha 3 alpha Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)
Target Molecular Weight	80 kDa

Product Description	
Description	Novus Biologicals Rabbit NSP 5 alpha 3 alpha Antibody - BSA Free (NB100-518) is a polyclonal antibody validated for use in WB. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	92521
Gene Symbol	SPECC1
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: mouse (93%) and rat (87%).
Immunogen	An internal synthetic peptide made to the human NSP 5 alpha 3 alpha protein sequence (between residues 200-300). [UniProt# Q5M775]

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1:500-1:2000
Application Notes	This NSP 5 alpha 3 alpha antibody is useful for Western blot, where a band is seen at ~80 kDa. A second band may be seen at ~60 kDa. The specificity of this band is not known. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

Images

Western Blot: NSP 5 alpha 3 alpha Antibody [NB100-518] - Analysis of NSP 5 alpha 3 on HeLa whole cell extract.



Procedures

Serum protocol for NSP 5 alpha 3 alpha Antibody (NB100-518)

NSP 5 alpha 3 alpha Antibody:

Western Blot Protocol

1. Perform SDS-PAGE (3-8%) on samples to be analyzed, loading 30ug of total protein per lane.
2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.
3. Stain the blot using ponceau S for 1-2 minutes to access the transfer of proteins onto the nitrocellulose membrane. Rinse the blot in water to remove excess stain and mark the lane locations and locations of molecular weight markers using a pencil.
4. Rinse the blot in TBS for approximately 5 minutes.
5. Block the membrane using 5% non-fat dry milk in TBS for 1 hour.
6. Dilute the rabbit anti-NSP5a3a primary antibody (NB 100-518) in blocking buffer and incubate overnight at 4 degrees Celsius.
7. Wash the membrane in water for 5 minutes and apply the diluted rabbit-IgG HRP-conjugated secondary antibody in blocking buffer (as per manufacturer's instructions) and incubate 1 hour at room temperature.
8. Wash the blot in TBS containing 0.05-0.1% Tween-20 for 10-20 minutes.
9. Wash the blot in type I water for an additional 10-20 minutes (this step can be repeated as required to reduce background).
10. Apply the detection reagent of choice in accordance with the manufacturer's instructions (Amersham's ECL is the standard reagent used at Novus Biologicals).

Note: Tween-20 can be added to the blocking buffer at a final concentration of 0.05-0.2%, provided it does not interfere with antibody-antigen binding.





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Products Related to NB100-518

NB800-PC1	HeLa Whole Cell Lysate
NB100-518PEP	NSP 5 alpha 3 alpha Antibody Blocking Peptide
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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