

# Product Datasheet

## CRISPR-Cas9 Antibody (6H4) - BSA Free NBP2-81124

Unit Size: 0.1 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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**NBP2-81124**

CRISPR-Cas9 Antibody (6H4) - BSA Free

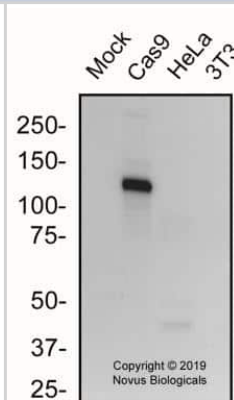
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
Clonality	Monoclonal
Clone	6H4
Preservative	0.02% Sodium Azide
Purity	Protein A or G purified
Buffer	PBS
Target Molecular Weight	158.4 kDa

Product Description	
Description	Novus Biologicals Mouse CRISPR-Cas9 Antibody (6H4) - BSA Free (NBP2-81124) is a monoclonal antibody validated for use in WB, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	901176
Species	Bacteria
Immunogen	This CRISPR-Cas9 antibody (6H4) was raised against partial recombinant protein made to an N terminal portion of the Staphylococcus aureus CRISPR/Cas9 protein

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 0.5 - 1.0 ug/ml, Immunocytochemistry/ Immunofluorescence 1:1000, Immunoprecipitation 1 ug / 200 ug lysate

**Images**

Western Blot: CRISPR-Cas9 Antibody (6H4) [NBP2-81124] - Total protein from mock and Cas9 transfected 293 cells, HeLa and 3T3 cells was separated on a 7.5% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 0.5 ug/ml anti-Cas9 in block buffer and detected with an anti-mouse HRP secondary antibody using West Pico PLUS chemiluminescence detection reagent. Theoretical molecular weight: 158.4 kDa.



## Procedures

### Western Blot protocol for CRISPR-Cas9 Antibody (NBP2-81124)

CRISPR-Cas9 Antibody (6H4):

Western Blot Protocol

1. Perform SDS-PAGE on samples to be analyzed, loading 10-25 ug of total protein per lane.
2. Transfer proteins to PVDF membrane according to the instructions provided by the manufacturer of the membrane and transfer apparatus.
3. Stain the membrane with Ponceau S (or similar product) to assess transfer success, and mark molecular weight standards where appropriate.
4. Rinse the blot TBS -0.05% Tween 20 (TBST).
5. Block the membrane in 5% Non-fat milk in TBST (blocking buffer) for at least 1 hour.
6. Wash the membrane in TBST three times for 10 minutes each.
7. Dilute primary antibody in blocking buffer and incubate overnight at 4C with gentle rocking.
8. Wash the membrane in TBST three times for 10 minutes each.
9. Incubate the membrane in diluted HRP conjugated secondary antibody in blocking buffer (as per manufacturer's instructions) for 1 hour at room temperature.
10. Wash the blot in TBST three times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturers instructions.





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### **Products Related to NBP2-81124**

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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]
NBP2-52986	CRISPR-Cas9 Antibody Pack

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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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