

# Product Datasheet

## CRISPR-Cas9 Antibody NBP2-52718

Unit Size: 100 ug

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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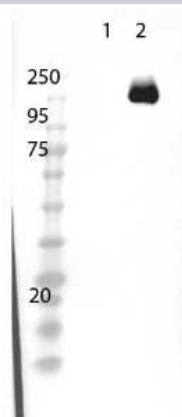
**NBP2-52718****CRISPR-Cas9 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Product Description</b>	
<b>Description</b>	<p>The product was affinity purified from monospecific antiserum by immunoaffinity chromatography.</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
<b>Host</b>	Rabbit
<b>Gene ID</b>	901176
<b>Species</b>	<i>S. pyogenes</i>
<b>Reactivity Notes</b>	Reactive against CRISPR-Cas9 from <i>Streptococcus pyogenes</i> .
<b>Immunogen</b>	CRISPR-Cas9 Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region near the C-terminal of <i>Streptococcus pyogenes</i> CRISPR-Cas9 protein. (Uniprot: Q99ZW2)
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:1000, ELISA 1:25000-1:30000, Immunocytochemistry/ Immunofluorescence 1ug/ml
<b>Application Notes</b>	This affinity purified antibody has been tested for use in ELISA, Immunofluorescence, and Western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band ~158 kDa in size corresponding to Cas-9 protein by western blotting in the appropriate cell lysate or extract.

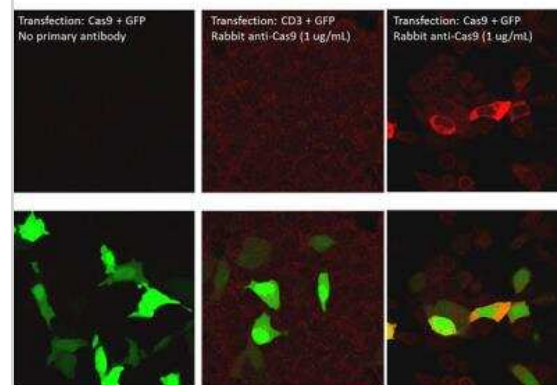


## Images

Western Blot: CRISPR-Cas9 Antibody [NBP2-52718] - Lane 1: 293T non transfected cell lysate. Lane 2: 293T Cas9 over expressed cell lysate. Load: 15ug per lane. Primary Antibody cas9 used at 1ug/mL overnight at 4C. Secondary Antibody: goat anti-rabbit HRP at 1:40,000 for 30 min at room temp. Expected theoretical molecular weight: 158 kDa.



Immunofluorescence: CRISPR-Cas9 Antibody [NBP2-52718] - HeLa cells transfected with GFP+Cas9 or GFP+CD-3. Fixation: Formaldehyde fixed, permeabilized Triton X-100. Primary: Anti-Cas9 used at 1ug/mL. Secondary: Donkey anti-Rabbit at 1ug/mL, staining seen in red. Bottom images show GFP stain overlay





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### **Products Related to NBP2-52718**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
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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