

Product Datasheet

Cas 9 Antibody (orb420317)

Catalog Number	orb420317
Category	Antibodies
Description	Cas 9 antibody
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Bacteria
Form/Appearance	Liquid (sterile filtered)
Concentration	1.0 mg/mL
Buffer/Preservatives	Preservative: 0.01% (w/v) Sodium Azide. Stabilizer: None; Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Purity	Anti-Cas9 antibody is directed against Streptococcus pyogenes Cas-9. The product was affinity purified from monospecific antiserum by immunoaffinity chromatography.
Immunogen	Cas-9 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region near the C-terminal of Streptococcus pyogenes Cas-9 protein.
UniProt ID	Q99ZW2
Tested applications	ELISA, IF, Multiplex Assay, WB

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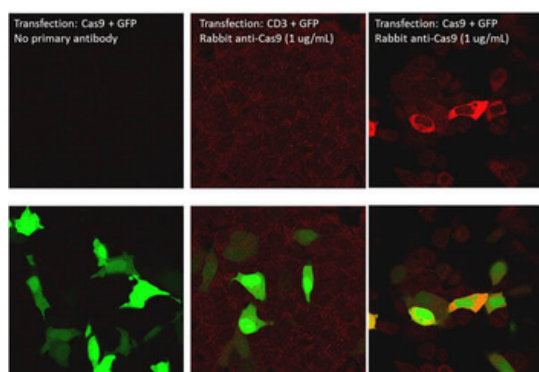
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Dilution range	ELISA: 1:25,000-1:30,000, IF: 1µg/mL, WB: 1µg/mL
Application notes	This affinity purified antibody has been tested for use in ELISA, Immunofluorescence, and Western blotting. Specific conditions for reactivity should be optimized by 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.
Antibody Type	Primary Antibody
Storage	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Dry Ice Shipping	Please note: This product requires shipment on dry ice. A dry ice surcharge will apply.
Note	For research use only
NCBI	NP_269215.1
Expiration Date	12 months from date of receipt.



Immunofluorescence of Rabbit Anti-Cas9 Antibody. Cells: HeLa cells transfected with GFP+Cas9 or GFP+CD-3. Fixation: Formaldehyde fixed, permeabilized Triton X-100. Primary: Anti-Cas9 used at 1 µg/ml. Secondary: Donkey anti-Rabbit at 1 µg/ml, staining seen in red. Bottom images show GFP stain overlay.

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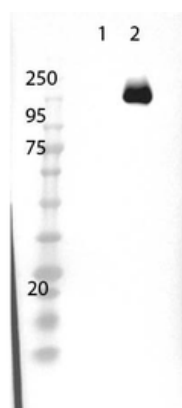
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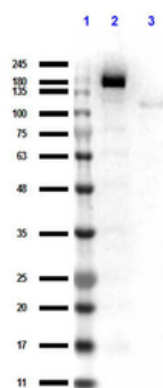
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Western Blot of Rabbit Anti-Cas9 Antibody. Lane 1: 293T non transfected cell lysate. Lane 2: 293T Cas9 over expressed cell lysate. Load: 15 µg per lane. Primary Antibody cas9 used at 1 µg/ml using orb348637 overnight at 4°C. Secondary Antibody: goat anti-rabbit HRP at 1:40000 for 30 min at room temp. Expect: 158kDa.



Western Blot results of Rabbit Anti-Cas 9 Antibody. Lane 1: Opal Prestained Molecular Weight Ladder. Lane 2: HEK/293 Cas9 Over Expressing WCL. Lane 3: HEK/293 non Transfected WCL. Load: 10 ul. Primary Antibody: Rabbit Anti-Cas 9 Antibody at 1 µg/ml overnight at 4°C. Secondary Antibody: Goat anti-Rabbit HRP (p/n orb347654) at 1:70000 for 30 min at RT. Blocking: BlockOut (p/n orb348644) for 30 min at RT.

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