Mouse CRISPR Cas9 Monoclonal Antibody | anti-CRISPR antibody

Anti-CRISPR Cas9 Antibody

CATALOG #	HOST	APPLICATIONS
AAA72759	**Mouse**	**Immunohistochemistry, Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

CRISPR Cas9; Monoclonal Antibody; Anti-CRISPR Cas9 Antibody; anti-CRISPR antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	6F7
Specificity	Specific for the Staphylococcus aureus Cas9 protein
Purity/Purification	Protein G Purified Culture Supernatant
Form/Format	100 ul in PBS + 5 mM NaN3
Applicable Applications for anti-CRISPR antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen Species	Mouse
Immunogen Information	Recombinant protein from C-terminal region of Cas9 from Staphylococcus aureus.
Antigen	Recombinant protein from C-terminal region of Cas9 from Staphylococcus aureus.
Quality Control Tests	Western blots performed on each lot.
Preparation and Storage	Store at -20 degree C in undiluted aliquots; stable for at least 1 year. Avoid freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescence of HEK293 cells transfected with Cas9 and labeled with Cas9 antibody.

WB (Western Blot)
Western blot of GFP-Cas9 transfected HEK293 cell lysate (+) showing specific immunolabeling of the ~53 kDa GFP-Cas9 fusion protein. Labeling is absent in the untransfected lysate (-).

ADDITIONAL INFORMATION

Related Product Information for anti-CRISPR antibody	CRISPR/Cas9 is a genome editing tool that makes possible the permanent alteration of genes by directing specifically designed RNA sequences complexed with the nuclease Cas9 to cleave DNA at any desired location allowing the deletion or addition of genes. Antibodies against Cas9 are very useful in the direct detection of the CRISPR/Cas9 complex. This antibody detects Cas9 from Staphylococcus aureus transfected into cells and shows no reactivity toward the Streptococcus pyogenes Cas9 protein (Ran et al., 2015).

References	Ran FA, Cong L, Yan WX, Scott DA, Gootenberg JS, Kriz AJ, Zetsche B, Shalem O, Wu X, Makarova KS, Koonin EV, Sharp PA, Zhang F. (2015) In vivo genome editing using Staphylococcus aureus Cas9. Nature 520:186-91.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/crispr-cas9-antibody-clone-6f7-immunohistochemistry-immunofluorescence-western-blot-elisa/72759