CAS9 Rabbit pAb

Catalog NO.: A14997SP **11 Publications**

Basic Information

Observed MW
160 kDa(N-terminal protein)

Calculated MW
158 kDa

Category
Polyclonal Antibodies

Applications
WB, IF/ICC, ELISA

Cross-Reactivity
Streptococcus pyogenes(overexpressed protein)

Conjugation
Unconjugated

Background

Staphylococcus aureus Cas9 (SaCas9) is an RNA-guided endonuclease that targets complementary DNA adjacent to a protospacer adjacent motif (PAM) for cleavage. Its small size facilitates in vivo delivery for genome editing in various organisms.

Recommended Dilutions

WB	1:1000 - 1:10000
IF/ICC	1:200 - 1:2000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (⩾1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
901176

Swiss Prot
Q99ZW2

Immunogen
This information is considered to be commercially sensitive.

Synonyms
CAS9

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

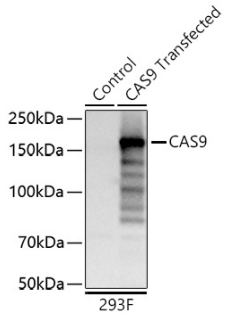
Source
Rabbit

Isotype
IgG

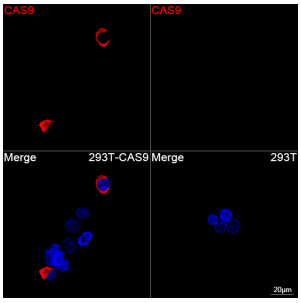
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

Validation Data



Western blot analysis of lysates from wild type (WT) and 293F cells transfected with CAS9 using CAS9 Rabbit pAb (A14997SP) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 20 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020)
.Exposure time: 1 s.



Confocal imaging of 293T cells transfected with CAS9 using CAS9 Rabbit pAb (A14997SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

For research use only. Not for therapeutic or diagnostic purposes.

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