

Recombinant CRISPR Cas9 SP Rabbit mAb

Catalog: BS37017

Host: Rabbit

Reactivity: N/A

BackGround:

CRISPR-associated protein 9 (Cas9) is an RNA-guided DNA endonuclease derived from *Streptococcus pyogenes* that catalyzes sequence-specific double-strand breaks in genomic DNA. It is the central enzyme of the CRISPR-Cas9 genome editing platform widely used for gene function studies and genetic engineering.

Product:

1mg/ml in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.

Molecular Weight:

~160 kDa (Cas9)

Swiss-Prot:

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200), IF/ICC (1/50 - 1/200), FC (1/10 - 1/50)

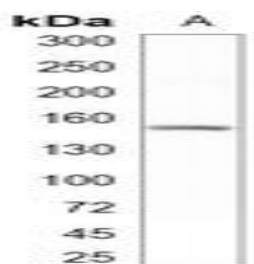
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

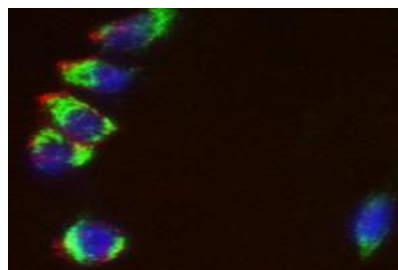
Recognizes CRISPR Cas9 SP protein

DATA:



Western blot analysis of MGMT expression in MCF7 (A), Jurkat (B), HepG2 (C), PC3 (D) whole cell lysates.

Immunohistochemical analysis of MGMT staining in human rectum cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of MGMT staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Flow cytometric analysis of HeLa cells using Anti-MGMT Antibody (green) and negative control (red).

Note:

For research use only, not for use in diagnostic procedure.

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