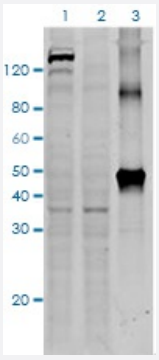
SpCas9 recombinant monoclonal Antibody, clone 14B6

Catalog # RAB09645 Size 40 ug

Applications



Western Blot (Transfected lysate)

Western blot of HEK293 transfected with PX458 (pSpCas9(BB)-2A-GFP) or untransfected cell lysates with SpCas9 Monoclonal Antibody, clone 14B6.
Lane 1: 50 ug cell lysate of HEK293 transfected with PX458
Lane 2: 50 ug untransfected HEK293 cell lysate
Lane 3: 40 ug SpCas9 recombinant protein
Primary Antibody:
SpCas9 Monoclonal Antibody, clone 14B6 1 ug/mL
Secondary Antibody:
Goat anti-Mouse IgG (H&L) [IRDye800] 0.125 ug/mL

Specification

Product Description	Recombinant mouse monoclonal antibody raised against *Streptococcus pyogenes* Cas9.
Immunogen	Recombinant protein corresponding to *Staphylococcus pyogenes* Cas9.
Host	Mouse
Reactivity	Streptococcus pyogenes
Specificity	This antibody reacts to spCas9.
Form	Lyophilized
Purification	Protein A affinity purification
Isotype	IgG1 Kappa

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Recommend Usage	ELISA (0.05-1 ug/mL) Immunofluorescence (1-2 ug/mL) Western Blot (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (0.02% sodium azide). Reconstitute the lyophilized antibody with deionized water (or equivalent) to a final concentration of 0.5 mg/mL.
Storage Instruction	Store at -20°C. Upon reconstitution, it can be stored for up to 12 months at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

  ELISA binding of SpCas9 Monoclonal Antibody, clone 14B6 with recombinant *Streptococcus pyogenes* CRISPR/Cas9 protein. Coating antigen: SpCas9, 1 ug/mL. SpCas9 Monoclonal Antibody, clone 14B6 dilution start from 3000 ng/mL, EC_{50}= 24.51 ng/mL.

- Western Blot (Transfected lysate)

  Western blot of HEK293 transfected with PX458 (pSpCas9(BB)-2A-GFP) or untransfected cell lysates with SpCas9 Monoclonal Antibody, clone 14B6.
  Lane 1: 50 ug cell lysate of HEK293 transfected with PX458
  Lane 2: 50 ug untransfected HEK293 cell lysate
  Lane 3: 40 ug SpCas9 recombinant protein
  Primary Antibody:
  SpCas9 Monoclonal Antibody, clone 14B6 1 ug/mL
  Secondary Antibody:
  Goat anti-Mouse IgG (H&L) [IRDye800] 0.125 ug/mL

Gene Info — SPy_1046

Entrez GeneID	901176
Protein Accession#	Q99ZW2
Gene Name	SPy_1046
Gene Alias	-
Gene Description	hypothetical protein

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Gene Ontology	Hyperlink
Other Designations	-

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