ARG10706
anti-Cas9 (S. pyogenes) antibody [3F9]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [3F9] recognizes Cas9 (S. pyogenes)
Tested Reactivity	Bacteria
Tested Application	ICC/IF, IHC-Fr, WB
Host	Mouse
Clonality	Monoclonal
Clone	3F9
Isotype	IgG
Target Name	Cas9 (S. pyogenes)
Species	Bacteria
Immunogen	N-terminal region, aa. 1-608 of Cas9 sequence CDJ55032.1 from S. pyogenes, expressed in and purified from E. coli.
Conjugation	Un-conjugated

Application Instructions

Application table

Application	Dilution
ICC/IF	1:1000 - 1:2000
IHC-Fr	Assay-dependent
WB	1:1000 - 1: 20000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

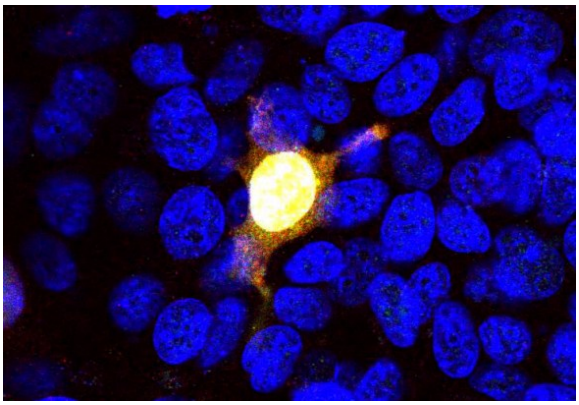
Form	Liquid
Purification	Affinity purification.
Buffer	PBS, 5 mM Sodium azide and 50% Glycerol.
Preservative	5 mM Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Highlight

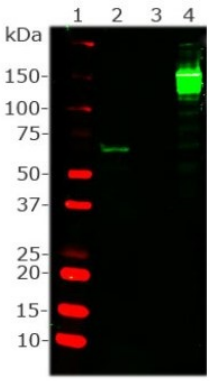
Related products:
Cas9 antibodies; Anti-Mouse IgG secondary antibodies;
Related news:
How snakes lose the limbs? CRISPR/Cas9 technique tell you the answer

Images



ARG10706 anti-Cas9 (S. pyogenes) antibody [3F9] ICC/IF image

Immunocytochemistry: Transfected HEK293 cells overexpressing the N-terminal aa. 1-608 of S. pyogenes Cas9. The cells were stained with ARG10706 anti-Cas9 (S. pyogenes) antibody [3F9] (red), and these cells also co-stained with ARG10734 anti-Cas9 antibody to the same construct in green, giving a yellow color. The N-terminal construct contains a nuclear localization sequence and so is predominantly nuclear in localization. Most HEK293 cells in this field are not transfected so only the nuclei of these cells can be visualized with the blue DAPI DNA stain.



ARG10706 anti-Cas9 (S. pyogenes) antibody [3F9] WB image

Western blot: 1) MW marker, 2) crude protein extract from Hek293 culture transfected with the immunogen, the N-terminal 1-608 amino acids, 3) Non-transfected control Hek293 cell extract, and 4) 40 ng of Streptococcus pyogenes Cas9 (full length) was stained with ARG10706 anti-Cas9 (S. pyogenes) antibody [3F9] at 1:1000 dilution.