

ARG10734
anti-Cas9 (*S. Pyogenes*) antibodyPackage: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Cas9 (<i>S. Pyogenes</i>)
Tested Reactivity	Bacteria
Tested Application	ICC/IF, IHC-Fr, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Cas9 (<i>S. Pyogenes</i>)
Species	Bacteria
Immunogen	N-terminal region, aa. 1-608 and C-terminal region, aa. 814-1372 of Cas9 sequence CDJ55032.1 from <i>S. pyogenes</i> , expressed in and purified from <i>E. coli</i> .
Conjugation	Un-conjugated

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:1000 - 1:2000
	IHC-Fr	Assay-dependent
	WB	1:1000 - 1:10000
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 and 50% Glycerol.
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

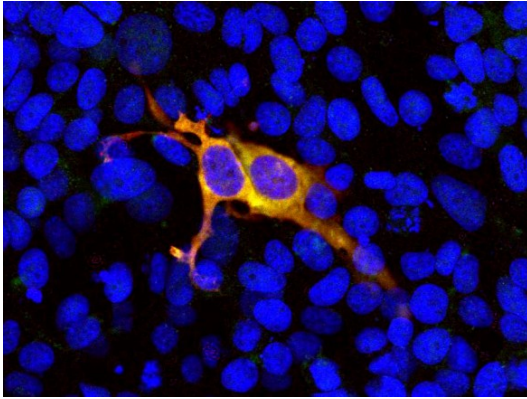
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Related news:

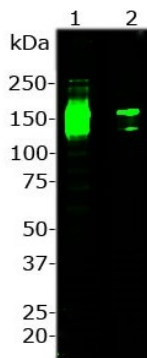
[How snakes lose the limbs? CRISPR/Cas9 technique tell you the answer](#)

Images



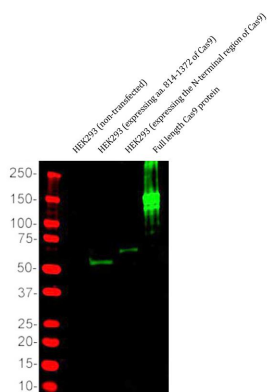
ARG10734 anti-Cas9 (S. Pyogenes) antibody ICC/IF image

Immunocytochemistry: Hek293 cell culture transfected with a construct including the C-terminal 814-1372 amino acids of *Staphylococcus pyogenes* Cas9. The cells were stained with ARG10734 anti-Cas9 (S. Pyogenes) antibody (red) and also with a chicken antibody to *S. pyogenes* Cas9 (green). A cell expressing Cas9 therefore appears yellow. Most Hek293 cells are not transfected so only the nucleus of these cells can be visualized with the blue DNA stain.



ARG10734 anti-Cas9 (S. Pyogenes) antibody WB image

Western blot: 1) 100 ng, and 2) 10 ng of full length Cas9 protein from *Streptococcus pyogenes* was stained with ARG10734 anti-Cas9 (S. Pyogenes) antibody at 1:2000 dilution. This antibody recognizes full length Cas9 protein at 160 kDa and a proteolytic fragment at 130 kDa.



ARG10734 anti-Cas9 (S. Pyogenes) antibody WB image

Western blot: 1) HEK293 (non-transfected), 2) transfected HEK293 expressing the C-terminal aa. 814-1372 of Cas9 from *S. pyogenes*, 3) transfected HEK293 expressing the N-terminal 608 amino acids of Cas9 from *S. pyogenes* and 4) 40 ng of full length *S. pyogenes* Cas9 protein. The blots were stained with ARG10734 anti-Cas9 (S. Pyogenes) antibody (green) at 1: 1000 dilution.