

**ARG10734**  
**anti-Cas9 (*S. Pyogenes*) antibody**Package: 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

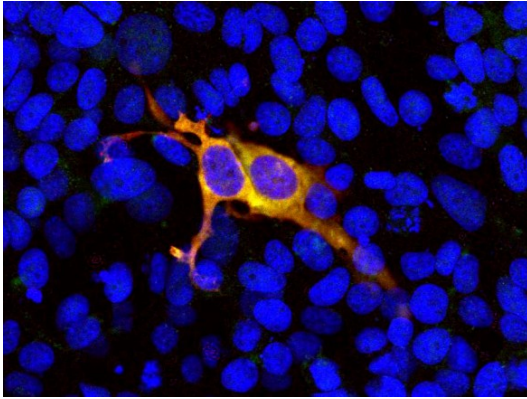
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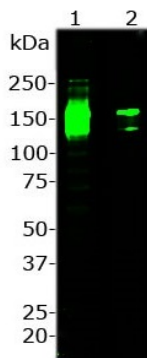
[How snakes lose the limbs? CRISPR/Cas9 technique tell you the answer](#)

## Images



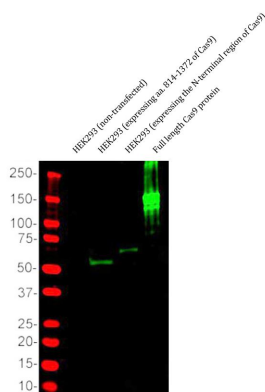
ARG10734 anti-Cas9 (S. Pyogenes) antibody ICC/IF image

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.