

**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

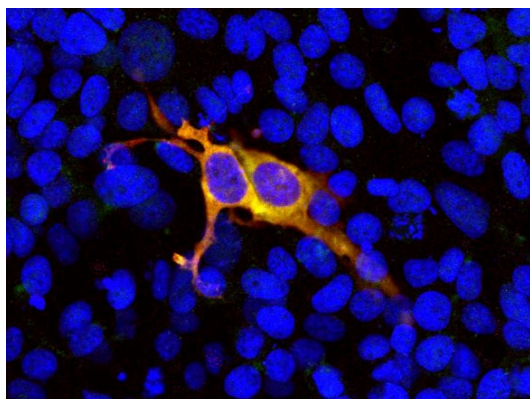
Related products:

[Cas9 antibodies](#); [Anti-Rabbit IgG secondary antibodies](#);

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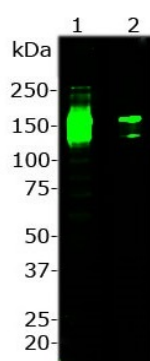
[How snakes lose the limbs? CRISPR/Cas9 technique tell you the answer](#)

## Images



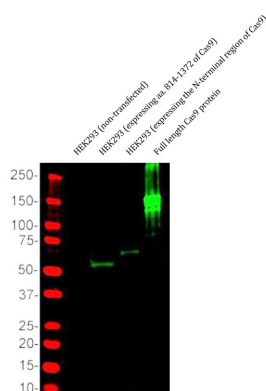
ARG10734 anti-Cas9 (S. Pyogenes) antibody ICC/IF image

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.