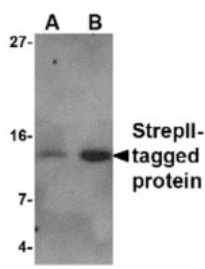




## StreptII-tag Antibody

CATALOG NUMBER: 4335



Western blot analysis of (A) 5 and (B) 25ng of StreptII-tagged recombinant protein with StreptII antibody at 1 ug/mL.

### Specifications

<b>SPECIES REACTIVITY:</b>	Tag
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	StreptII-tag antibody can be used for the detection of StreptII by Western blot at 1 ug/mL.
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>IMMUNOGEN:</b>	StreptII-tag antibody was raised against the amino acid sequence "srWSHPQFEKsh".
<b>HOST SPECIES:</b>	Rabbit

### Properties

<b>PURIFICATION:</b>	StreptII-tag Antibody is affinity chromatography purified via peptide column.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	StreptII-tag Antibody is supplied in PBS containing 0.02% sodium azide.
<b>CONCENTRATION:</b>	1 mg/mL
<b>STORAGE CONDITIONS:</b>	StreptII-tag antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
<b>CLONALITY:</b>	Polyclonal
<b>ISOTYPE:</b>	IgG
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	StreptII-tag Antibody:
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### Background

<b>BACKGROUND:</b>	StreptII-tag Antibody: Streptavidin is a tetrameric protein purified from <i>Streptomyces avidinii</i> . It has wide use in numerous molecular biological protocols due to its strong affinity for biotin. The original Strep-tag is a nine amino acid peptide with high specificity and affinity towards streptavidin. The addition of this tag to the C-terminus of recombinant proteins allowed the simple purification of protein by use of affinity columns. It was re-engineered to
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allow it to also placed at the N-terminus of recombinant proteins.

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**REFERENCES:**

- 1) Schmidt TGM and Skerra A. The random peptide-assisted engineering of a C-terminal affinity peptide, useful for the detection and purification of a functional Ig Fv fragment. Protein Eng.1993; 6:109-22.
  - 2) Schmidt TGM, Koepe J, Frank R, et al. Molecular interactions between the Strep-tag affinity peptide and its cognate target, streptavidin. J. Mol. Biol.1996; 255:753-6.
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**FOR RESEARCH USE ONLY**

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