



Product datasheet

Anti-Strep-tag II antibody ab76949

★★★★★ [7 Abreviews](#) [47 References](#) [3 Images](#)

Overview

Product name	Anti-Strep-tag II antibody
Description	Rabbit polyclonal to Strep-tag II
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Species independent
Immunogen	Amino acid sequence ASWSHPQFEKGA <div>  Run BLAST with  Run BLAST with </div>
Positive control	Streptavidin tagged recombinant protein
General notes	<p>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 (and re-named Strep-tag II) to allow it to also placed at the N-terminus of recombinant proteins.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at +4°C.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified

Purification notes

Affinity chromatography purified via peptide column

Primary antibody notes

Streptavidin is a tetrameric protein purified from *Streptomyces avidinii*. 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 (and re-named Strep-tag II) to allow it to also be placed at the N-terminus of recombinant proteins.

Clonality

Polyclonal

Isotype

IgG

Applications**The Abpromise guarantee**

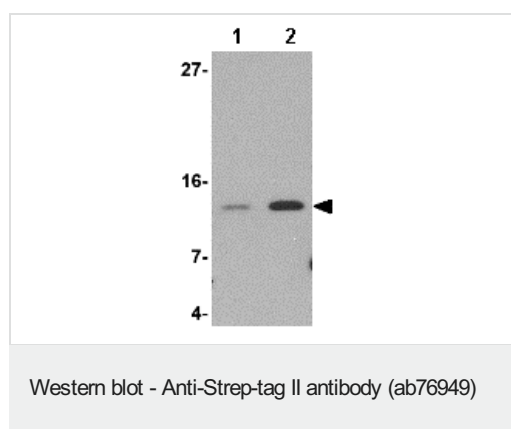
Our **Abpromise guarantee** covers the use of ab76949 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (6)	Use a concentration of 0.5 - 1 µg/ml. Predicted Band Size: 24kDa

Target**Relevance**

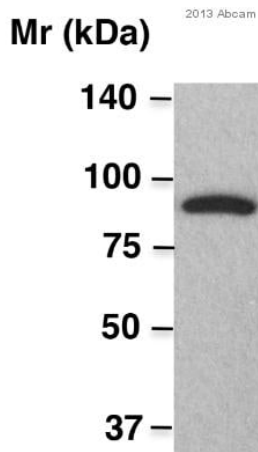
Streptavidin is a tetrameric protein purified from *Streptomyces avidinii*. It has wide use in numerous molecular biological protocols due to its strong affinity for biotin. The original Strep-tag (AWRHPQFGG) was a nine amino acid peptide with high specificity and affinity towards streptavidin which allows the simple purification of protein by use of affinity columns, but required addition to only the C-terminus of recombinant proteins. To also allow a Strep-tag to be placed at the N-terminus of recombinant proteins, it was re-engineered and re-named Strep-tag II.

Images

All lanes : Anti-Strep-tag II antibody (ab76949) at 1 µg/ml

Lane 1 : StreptII tagged recombinant protein at 0.005 µg

Lane 2 : StreptII tagged recombinant protein at 0.025 µg



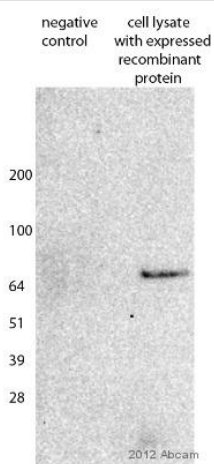
Western blot - Anti-Strep-tag II antibody (ab76949)

Image courtesy of an anonymous AbReview

Anti-Strep-tag II antibody (ab76949) at 1/1000 dilution + Strep-tagged recombinant protein at 0.5 µg with 5% milk in TBS-T

Secondary

Goat anti-Rabbit IgG (H+L)-HRP Conjugate at 1/5000 dilution



Western blot - Anti-Strep-tag II antibody (ab76949)

Image courtesy of an anonymous AbReview

All lanes : Anti-Strep-tag II antibody (ab76949) at 1/2000 dilution

Lane 1 : Negative control with PBS with 0.5% milk and 0.1% Tween-20

Lane 2 : cell lysate containing expressed recombinant protein with strep-tag II. with PBS with 0.5% milk and 0.1% Tween-20

Secondary

All lanes : HRP conjugated goat anti-rabbit at 1/1000 dilution

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise,

please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors