

StrepII-tag Antibody

Catalog # ASC10540

Product Information

Application	WB, E
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	StrepII-tag antibody can be used for the detection of StrepII by Western blot at 1 µg/mL.

Additional Information

Reconstitution & Storage	StrepII-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.
Precautions	StrepII-tag Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Background

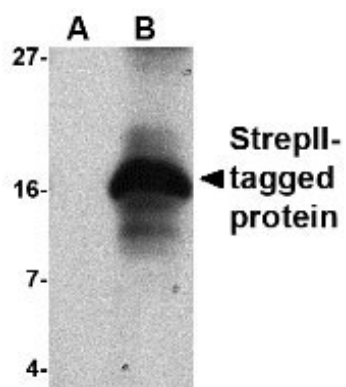
StrepII-tag Antibody: Streptavidin is a tetrameric protein purified from *Streptomyces avidinii*. It has wide use in numerous molecular biological protocols due to its strong affinity for biotin. The original Strep-tag is a nine amino acid peptide with high specificity and affinity towards streptavidin. 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 to allow it to also be placed at the N-terminus of recombinant proteins.

References

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.
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.

Images

Western blot analysis of 50ng of StrepII-tagged recombinant protein with StrepII antibody at 1 µg/mL in (A) the absence or (B) the presence of blocking peptide.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.