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Datasheet for 600-401-H22

Strep-tag II Antibody

Overview

Description:	Anti-Strep-tag II (RABBIT) Antibody - 600-401-H22
Item No.:	600-401-H22
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Strep-Tag II
Host Species:	Rabbit

Product Details

Background:	Strep-tag II antibody detects amino acid sequence specific for Streptavidin. Streptavidin is a tetrameric protein purified from Streptomyces avidinii. It has wide use in numerous molecular biological protocols dues 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. Anti-Strep-tag II antibodies are ideal for investigators involved in GFP and Epitopes research.
Synonyms:	Strep-tag II (NT), StrepII-tag
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Strep-Tag II
Immunogen Type:	Other
Immunogen:	Strep-tag II Antibody was produced from whole rabbit serum prepared by repeated immunizations with the amino acid sequence "asWSHPQFEKga”.

Purity/Specificity:	Anti-Strep-tag II Antibody was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross-reactivity with Strep-tag II with Human and Mouse based on 100% homology with the immunizing sequence. Cross-reactivity with Strep-tag II from other sources has not been determined. This antibody recognizes the amino acid sequence fused to n-terminus "asWSHPQFEKga".
Relevant Links:	• NCBI - NP_065911 • UniProtKB - Q9P246 • GeneID - 57620

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Strep-tag II Antibody is tested for use in E and WB. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	0.5-1 ug/mL

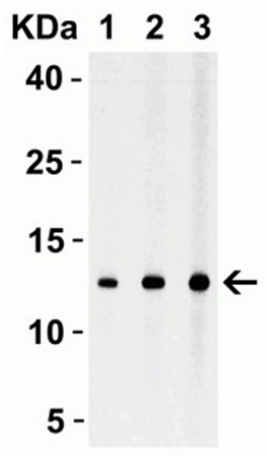
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

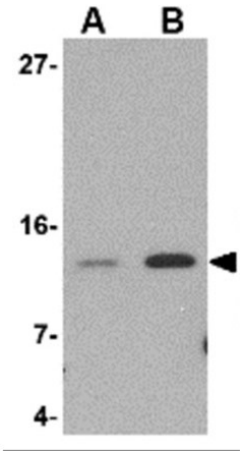
Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot with Anti-Strep-tag II.
Load: Loading: 30 ng of Strep-tag II recombinant protein per lane.
Primary antibody: Anti-Strep-tag II at (Lane 1: 0.25 µg/mL Lane 2: 0.5 µg/mL Lane 3: 1 µg/mL) for 1h incubation at RT in 5% NFDM/TBST.
Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Western Blot
Western Blot with Anti-Strep-tag II.
Load: Strep-tag II recombinant protein, Lane A: 5 ng and Lane B: 25 ng.
Primary antibody: Anti-Strep-tag II at 1 µg/mL for 1h incubation at RT in 5% NFDM/TBST.
Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.

References

- Arsiwala A et al. Nanopatterning protein antigens to refocus the immune response. *Nanoscale.* (2019)

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