

Rabbit Streptavidin Polyclonal Antibody

Streptavidin antibody (HRP)

CATALOG # AAA75153	HOST Rabbit	APPLICATIONS Dot Blot, Western Blot, ELISA
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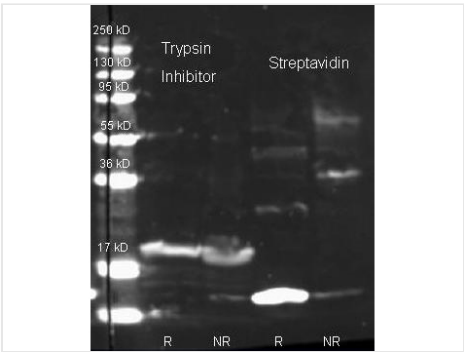
PRODUCT SYNONYMS

Streptavidin; Polyclonal Antibody; Streptavidin antibody (HRP); Polyclonal Streptavidin; Anti-Streptavidin; anti-Streptavidin antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Specificity	Streptomyces avidinii streptavidin
Purity/Purification	Streptavidin antibody (HRP) was purified by delipidation, salt fractionation and ion exchange chromatography followed by dialysis.
Form/Format	IgG fraction supplied as a liquid in 0.02M Potassium Phosphate, with 0.15M Sodium Chloride, pH 7.2, 10mg/ml BSA as a stabilizer and 0.01% Gentamicin Sulfate as preservative.
Concentration	10 mg/ml (varies by lot)
Sequence Length	159
Applicable Applications for anti-Streptavidin antibody	DB (Dot Blot), WB (Western Blot), ELISA
Biological Significance	Streptavidin is a 52,800 dalton tetrameric protein purified from the bacterium Streptomyces avidinii. It has an extraordinarily high affinity for biotin (also known as vitamin B7); the dissociation constant (K _d) of the biotin-streptavidin complex is on the order of 10 ⁻¹⁴ mol/L, making it one of the strongest non-covalent interactions known in nature. It is used extensively in molecular biology and bionanotechnology as, in addition to the high affinity, biotin-binding is resistant to extremes of pH, temperature, organic solvents, denaturants, detergents and proteolytic enzymes.
Cross-Reactivity	No cross reactivity with Avidin
Tag/Conjugate	HRP
Immunogen	streptavidin (Streptomyces avidinii)
Preparation and Storage	Store at 4 degree C short term and -20 degree C for long term storage.

IMAGES



WB (Western Blot)

Western Blot analysis using Streptavidin antibodyStreptavidin and Biotin conj ugated Rabbit anti-Trypsin inhibitor antibody were used to detect target proteins Trypsin Inhibitor (left) and Streptavidin (right) under reducing (R) and non-reducing (NR) conditions. Reduced samples of purified target proteins contained 4% BME and were boiled for 5 minutes. Samples of ~1 ug of protein per lane were run by SDS-PAGE. Protein was transferred to nitrocellulose and probed with 1:1000 dilution of primary antibody (ON 4 C). Detection shown was using Donkey anti Rabbit (Dylight 649) (1:10, 000 1. 5 hr RT in blocking buffer) and imaged on the BioRad VersaDoc System.

ADDITIONAL INFORMATION

Related Product Information for anti-Streptavidin antibody	Rabbit polyclonal Streptavidin antibody (HRP) conjugated
Product Categories/Family for anti-Streptavidin antibody	Conjugated Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	21340185
NCBI Official Full Name	streptavidin, partial

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/streptavidin-antibody-dot-blot-western-blot-elisa/75153>