

Anti-STREPTAVIDIN (RABBIT) Antibody
Streptavidin Antibody
Catalog # ASR4360**Specification**

Anti-STREPTAVIDIN (RABBIT) Antibody - Product Information

Host	Rabbit
Conjugate	Unconjugated
Clonality	Polyclonal
Application	WB, IHC, E, I, LCI
Application Note	Anti-Streptavidin antibody has been tested by ELISA and dot blot and is suitable for western blot, and immunohistochemistry, as well as other assays requiring lot-to-lot consistency.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Streptavidin [Streptomyces avidinii]
Preservative	0.01% (w/v) Sodium Azide

Anti-STREPTAVIDIN (RABBIT) Antibody - Additional Information**Purity**

Anti-Streptavidin antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum as well as purified and partially purified Streptavidin [Streptomyces avidinii]. No cross reactivity occurs against Avidin.

Storage Condition

Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-STREPTAVIDIN (RABBIT) Antibody - Protein Information**Anti-STREPTAVIDIN (RABBIT) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-STREPTAVIDIN (RABBIT) Antibody - Images

Anti-STREPTAVIDIN (RABBIT) Antibody - Background

Streptavidin antibody is a 60 kDa protein purified from the bacterium *Streptomyces avidinii*. Streptavidin homo-tetramers have an extraordinarily high affinity for biotin (also known as vitamin B7). With a dissociation constant (Kd) on the order of $\approx 10^{-14}$ mol/L,^[1] the binding of biotin to streptavidin is one of the strongest non-covalent interactions known in nature. Streptavidin is used extensively in molecular biology and bio-nanotechnology due to the streptavidin-biotin complex's resistance to organic solvents, denaturants (e.g. guanidinium chloride), detergents (e.g. SDS, Triton), proteolytic enzymes, and extremes of temperature and pH. Anti-STREPTAVIDIN antibody is ideal for investigators involved in GFP and Epitope research.