

Product datasheet for **TA397016**

Rabbit Polyclonal Antibody

Product data:

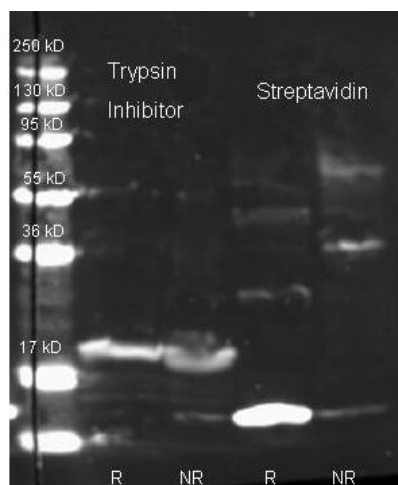
Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	WB: 1:1000 ELISA: 1:20,000 - 1:100,000
Reactivity:	Streptomyces avidinii
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Streptavidin [Streptomyces avidinii]
Specificity:	Streptavidin Antibody Peroxidase Conjugate is an IgG 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-Peroxidase, anti-Rabbit Serum as well as purified and partially purified Streptavidin [Streptomyces avidinii]. No cross reactivity occurs against avidin.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Method:	Restore with deionized water (or equivalent) - Reconstitution Volume: 2.0 mL
Concentration:	10.0 mg/mL - lot specific
Conjugation:	HRP
Storage:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. 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.
Stability:	Expiration date is one (1) year from date of receipt.



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- Background:** Anti-streptavidin antibody detects Streptavidin, a 60 kDa protein purified from the bacterium *Streptomyces avidinii*. Streptavidin is a homo-tetrameric protein having a very high affinity for biotin (vitamin B7). Streptavidin bound biotin has a dissociation constant (Kd) on the order of about 10^{-14} mol/L. Streptavidin and biotin are used extensively in molecular biology and bionanotechnology due to the resistance of streptavidin-biotin complex to organic solvents, denaturants (e.g. guanidinium chloride), detergents (e.g. SDS, Triton), proteolytic enzymes, and extremes of temperature and pH.
- Synonyms:** rabbit anti-Streptavidin Antibody HRP Conjugation, Peroxidase conjugated rabbit anti-Streptavidin antibody, Anti-Streptavidin HRP Antibody
- Note:** Anti-Streptavidin Peroxidase Conjugated Antibody has been tested by ELISA and western blot. This product is assayed against 1.0 ug of Streptavidin in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) for 30 minutes at room temperature. Optimal concentrations in immunoassays should be determined by researcher.

Product images:



Western Blot of Rabbit anti-Streptavidin antibody. Lane 1: trypsin inhibitor reduced. Lane 2: trypsin inhibitor non-reduced. Lane 3: Streptavidin reduced. Lane 4: Streptavidin non-reduced. Load: 1ug per lane. Primary antibody: primary antibody at 1:1000 for overnight at 4°C. Secondary antibody: Dylight 649 conjugated Donkey anti rabbit secondary antibody at 1:10,000 for 1.5 hours at RT. Block: MB-070 overnight at 4°C. Other band(s): none.