

## Product datasheet for **TA396969**

### SOD1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<b>WB:</b> 1:500 - 1:2,000 <b>ELISA:</b> 1:10,000 - 1:50,000
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Superoxide Dismutase [Bovine erythrocytes]
Specificity:	Anti-Superoxide Dismutase (SOD) 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 Superoxide Dismutase [Bovine erythrocytes]. Cross reactivity against Superoxide Dismutase from other tissues and species may occur but have not been specifically determined.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Method:	Restore with deionized water (or equivalent) - Reconstitution Volume: 100 µL
Concentration:	1.0 mg/ml - lot specific
Conjugation:	Unconjugated
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.
Database Link:	<u><a href="#">P00442</a></u>
Background:	Superoxide Dismutase destroys radicals which are normally produced within the cells and which are toxic to biological systems.



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- Synonyms:** rabbit anti-Superoxide Dismutase 1 Antibody, rabbit anti-SOD1 antibody, ALS 1 antibody, ALS antibody, ALS1 antibody, Amyotrophic lateral sclerosis 1 adult antibody, Amyotrophic lateral sclerosis 1 antibody, Cu/Zn SOD antibody, Cu/Zn superoxide dismutase antibody, Homodimer antibody, SOD 1
- Note:** Superoxide Dismutase (SOD) Antibody has been tested by western blot and is suitable to be assayed against 1.0 ug of Superoxide Dismutase [Bovine erythrocytes] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302 and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:10,000 to 1:50,000 is suggested for this product.