

Product Datasheet

Superoxide Dismutase Antibody Peroxidase Conjugated (orb344919)

Catalog Number	orb344919
Category	Antibodies
Description	Superoxide Dismutase antibody (Peroxidase)
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	HRP
Reactivity	Bovine
Form/Appearance	Lyophilized
Concentration	1.0 mg/mL
Buffer/Preservatives	Preservative: 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!. Stabilizer: 10 mg/mL Bovine Serum Albumin (rAlbumin) - Immunoglobulin and Protease free; Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Purity	Superoxide Dismutase 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 Superoxide Dismutase [Bovine erythrocytes]. Cross reactivity against Superoxide Dismutase from other tissues and species may occur but have not been specifically determined.

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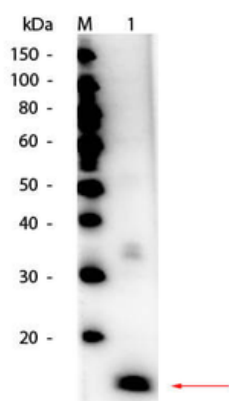
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Immunogen	Superoxide Dismutase [Bovine erythrocytes]
UniProt ID	P00442
Tested applications	ELISA, WB
Dilution range	ELISA: 1:5,000 - 1:20,000, WB: 1:500- 1:2,000
Application notes	Anti-Superoxide Dismutase Peroxidase Conjugated Antibody has been tested by Western blot and is suitable to be assayed against 1.0 ug of Superoxide Dismutase [Bovine erythrocytes] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:1,000 to 1:2,000 of the reconstitution concentration is suggested for this product.
Antibody Type	Primary Antibody
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.
Note	For research use only
NCBI	DAA33706.1



Western Blot of HRP Conjugated Superoxide Dismutase Antibody. Lane 1: Superoxide Dismutase Load: 50 ng per lane. Primary antibody: HRP Conjugated Superoxide Dismutase Antibody at 1:1000 overnight at 4°C. Secondary antibody: none Detected directly using FEMTOMAX Substrate. Block: orb348637 for 30 min at RT. Predicted/Observed size: 15.6 kDa, 15.6 kDa.

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