Sheep polyclonal to SOD

Catalog Number: NB120-8867

Background: Superoxide dismutases (SOD) are found in all aerobic organisms. Their physiological function appears to be to protect cells from free radicals by scavenging superoxide anions. They catalase the dismutation of superoxide anions to oxygen and hydrogen peroxide. SOD (Mn) is a tetramer of identical subunits of MW 25,000 by SDS-PAGE.

Alternate Names: anti-A' Superoxide Dismutase antibody

Host: Sheep

Research Areas: Enzymes, Diabetes Research

Immunogen: Human SOD (Mn) purified from liver.

Isotype: IgG

Specificity: This product has been shown to be specific by Western blotting and by gel diffusion techniques.

Localization: SOD (Mn) is a cytosolic enzyme located primarily in mitochondria

Species Reactivity: Cross-reacts with Human. Not yet tested in other species.

Uses: For western blotting: Antigen: 10% liver cell lysate Antibody: 1/200 IEP: 1/1000 Donkey anti-sheep/goat immunoglobulins-peroxidase. Optimal dilutions should be determined by the individual laboratory. Suitability for use in immunohistochemical procedures and enzyme-linked immunosorbent assays has not been assessed but use in such assays should not necessarily be excluded. * Other applications have not been tested.

Dilutions: Suggested working dilutions * Western Blot * Investigator should determine optimal working dilutions.

Packaging: 1 millilitres

Buffer: Glycine buffered saline pH 7.4, 0.1% Sodium Azide, 0.1% EACA, 0.01% Benzamidine, 1 mM EDTA

Storage: Store at 4 degrees C where it will remain stable until the given expiry date. Slight precipitation can occur on storage which may be removed by centrifugation and should not affect performance characteristics.

Limitations: This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 6 months from date of receipt.