## **MnSOD Antibody**

Goat Polyclonal

Antigen Affinity Purified Protein ID NP\_000627.2

Catalog No. A300-449A GeneID 6648

Lot No. A300-449A-1

APPLICATIONS WB
SPECIES REACTIVITY Rat

PRESUMED REACTIVITY Based on 100% sequence identity, this antibody is predicted to react with Human, Monkey and

Chimpanzee

**AMOUNT** 100 μl

CONCENTRATION 1000 μg/ml

STORAGE/SHELF LIFE 2 - 8° C / 1 year from date of receipt

PHYSICAL STATE Liquid

**BUFFER** Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide

ISOTYPE IgG
ORIGIN USA

PRODUCTION PROCEDURES

Antibody was affinity purified using an epitope specific to MnSOD immobilized on solid support.

The epitope recognized by A300–449A maps to a region between residue 175 and the C-terminus (residue 222) of human Manganese Superoxide Dismutase using the numbering given

in entry NP\_000627.2 (GeneID 6648).

Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm

of 1.4 equals 1.0 mg of IgG.

**APPLICATIONS** Centrifuge tube to remove product from lid. Optimal working dilutions should be determined

experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:1,000 - 1:4,000

**APPLICATION NOTES** Western blot of lysates performed using standard western blot reagents and 4–20% SDS-PAGE.

ADDITIONAL INFO https://www.bethyl.com/product/A300-449A

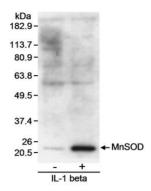
Use the link above to view SDS, a current list of citations, and other product specific information.

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer

Date: June 21, 2019



**MnSOD Antibody** 



Detection of MnSOD by western blot. Samples: Whole cell lysate (30 μg) from rat vascular smooth muscle cells treated with IL-1 beta (3 ng/ml) for 24 hours (+) or untreated (-). Antibody: Affinity purified goat anti-MnSOD (BL468G; Cat. No. A300-449A) used at 0.4 μg/ml. Detection: Chemiluminescence with 3 minute exposure.