

SOD1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_000445.1

Catalog No. A303-811A

GeneID 6647

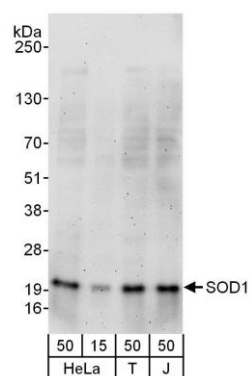
Lot No. A303-811A-1



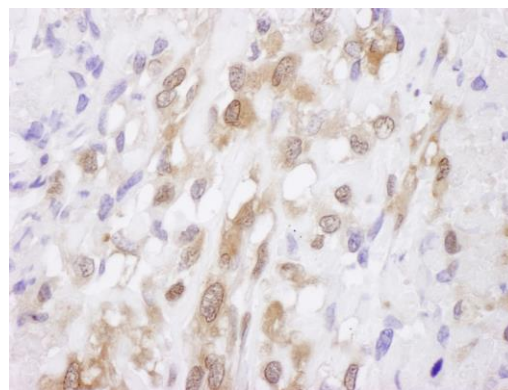
APPLICATIONS	WB, IHC						
SPECIES REACTIVITY	Human						
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Sheep, Goat, Bovine, Horse, Rabbit and Chimpanzee						
AMOUNT	100 µl						
CONCENTRATION	1000 µg/ml						
STORAGE/SHELF LIFE	2 – 8° C / 1 year from 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 SOD1 immobilized on solid support. The epitope recognized by A303-811A maps to a region between residue 54 and 104 of human Superoxide Dismutase 1 using the numbering given in entry NP_000445.1 (GeneID 6647). Antibody 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. <table><tr><td>Western Blot</td><td>1:2,000 – 1:10,000</td></tr><tr><td>Immunoprecipitation</td><td>Not recommended</td></tr><tr><td>Immunohistochemistry</td><td>1:2,000 – 1:10,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.</td></tr></table>	Western Blot	1:2,000 – 1:10,000	Immunoprecipitation	Not recommended	Immunohistochemistry	1:2,000 – 1:10,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
Western Blot	1:2,000 – 1:10,000						
Immunoprecipitation	Not recommended						
Immunohistochemistry	1:2,000 – 1:10,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.						
APPLICATION NOTES	Western blot of lysates performed using standard western blot reagents and 4–12% SDS-PAGE.						
IHC HUMAN CONTROLS	Breast Carcinoma, Osteosarcoma, Ovarian Carcinoma						
ADDITIONAL INFO	https://www.bethyl.com/product/A303-811A 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



Detection of human SOD1 by western blot. *Samples:* Whole cell lysate from HeLa (15 and 50 µg), HEK293T (T; 50 µg) and Jurkat (J; 50 µg) cells. *Antibodies:* Affinity purified rabbit anti-SOD1 antibody A303-811A used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human SOD1 by immunohistochemistry. *Sample:* FFPE section of human osteosarcoma. *Antibody:* Affinity purified rabbit anti-SOD1 (Cat. No. A303-811A Lot1) used at a dilution of 1:5,000 (0.2 µg/ml). *Detection:* DAB