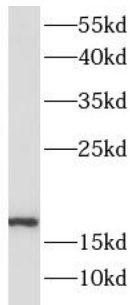
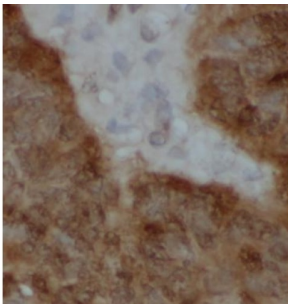


## Superoxide Dismutase (SOD) Antibody

Catalogue No.: abx146590



WB analysis of HEK-293 cells, using SOD1 antibody (1/1000 dilution).



IHC-P analysis of human liver cancer tissue, using SOD1 antibody (1/200 dilution).

Superoxide Dismutase (SOD) Antibody is a Rabbit Polyclonal antibody for the detection of SOD1.

Superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult) ) (SOD1, synonyms: ALS, SOD, ALS1, IPOA) binds copper and zinc ions and is one of two isozymes responsible for destroying free superoxide radicals in the body. This isozyme is a soluble cytoplasmic protein, acting as a homodimer to convert naturally-occurring but harmful superoxide radicals to molecular oxygen and hydrogen peroxide. The other isozyme is a mitochondrial protein. Mutations in this gene have been implicated as causes of familial amyotrophic lateral sclerosis.

**Target:** Superoxide Dismutase (SOD)**Clonality:** Polyclonal**Reactivity:** Human, Mouse, Rat**Tested Applications:** ELISA, WB, IHC**Host:** Rabbit**Recommended dilutions:** WB: 1/500 - 1/2000, IHC: 1/50 - 1/500. Optimal dilutions/concentrations should be determined by the end user.**Conjugation:** Unconjugated**Immunogen:** superoxide dismutase 1, soluble

# Datasheet

Version: 2.0.0  
Revision date: 07 Apr 2025



<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purity:</b>	≥ 95% (SDS-PAGE)
<b>Purification:</b>	Purified by immunogen affinity chromatography.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>Validity:</b>	12 months.
<b>UniProt Primary AC:</b>	P00441 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>GeneID:</b>	<a href="#">6647</a>
<b>OMIM:</b>	<a href="#">147450</a>
<b>KEGG:</b>	hsa:6647
<b>String:</b>	<a href="#">9606.ENSP00000270142</a>
<b>Molecular Weight:</b>	Observed MW: 16 kDa
<b>Buffer:</b>	PBS, pH 7.3, with 0.02% sodium azide and 50% glycerol.
<b>Concentration:</b>	2 mg/ml
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only