

Anti-SOD1 / Cu-Zn SOD Antibody

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS17626

Product Information

Application	WB, IHC-P, IF
Primary Accession	P00441
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15936
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	6647
Alias Symbol	SOD1
Other Names	SOD1, ALS, ALS1, Cu/Zn superoxide dismutase, HSod1, Homodimer, IPOA, SOD, soluble, SOD, Superoxide dismutase [Cu-Zn], Superoxide dismutase 1, Indophenoloxidase A, Superoxide dismutase, cystolic
Reconstitution & Storage	Protein A purified
Precautions	Anti-SOD1 / Cu-Zn SOD Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SOD1 (HGNC:11179)
Function	Destroys radicals which are normally produced within the cells and which are toxic to biological systems (PubMed: 18948262 , PubMed: 24140062). Catalyzes the oxidation of hydrogen sulfide (H ₂ S) to sulfate, playing an important role in detoxifying H ₂ S and limiting the accumulation of reactive sulfur species (RSS) such as persulfides and polysulfides (PubMed: 36630448).
Cellular Location	Cytoplasm. Nucleus. Note=Predominantly cytoplasmic; the pathogenic variants ALS1 Arg-86 and Ala-94 gradually aggregates and accumulates in mitochondria.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.