

Rabbit anti-Human SOD1 Polyclonal Antibody | anti-SOD1 antibody

Rabbit anti-SOD1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212291	Rabbit	Human	Immunohistochemistry, Western Blot

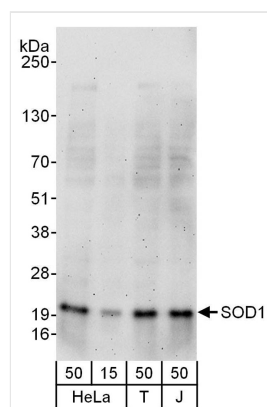
PRODUCT SYNONYMS

SOD1; Polyclonal Antibody; Rabbit anti-SOD1 Antibody; Affinity Purified; superoxide dismutase [Cu-Zn]; superoxide dismutase; cystolic; Superoxide dismutase 1; SOD; soluble; IPOA; indophenoloxidase A; homodimer; HEL-S-44; epididymis secretory protein Li 44; Cu/Zn superoxide dismutase; ALS1; ALS; hSod1; superoxide dismutase 1; Superoxide dismutase [Cu-Zn]; anti-SOD1 antibody

PRODUCT SPECIFICATIONS

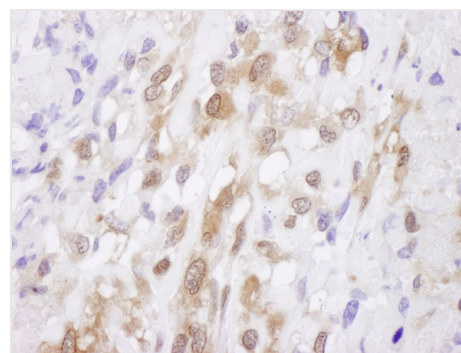
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-SOD1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Predicted Reactivity	Sheep, Goat, Bovine, Horse, Rabbit, Chimpanzee
Immunogen	Between 50 and 100
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human SOD1 by western blot. Samples: Whole cell lysate from HeLa (15 and 50 ug), HEK293T (T; 50 ug) and Jurkat (J; 50 ug) cells. Antibodies: Affinity purified rabbit anti-SOD1 antibody AAA212291 used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IHC (Immunohistochemistry)

Detection of human SOD1 by immunohistochemistry. Sample: FFPE section of human osteosarcoma. Antibody: Affinity purified rabbit anti-SOD1 (Cat. No. AAA212291 Lot1) used at a dilution of 1:5,000 (0.2 ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-SOD1 antibody	Superoxide dismutase 1 (SOD1) binds copper and zinc ions and is one of two isozymes responsible for destroying free superoxide radicals in the body. SOD1 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 [taken from NCBI Entrez Gene (Gene ID: 6647)].
Product Categories/Family for anti-SOD1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507149
NCBI GeneID	6647
NCBI Accession #	NP_000445.1
NCBI GenBank Nucleotide #	NM_000454.4
UniProt Accession #	P00441; Q16669; Q16711; Q16838; Q16839; Q16840; Q6NR85; A6NHJ0; D3DSE4
Molecular Weight	15,936 Da
NCBI Official Full Name	superoxide dismutase
NCBI Official Synonym Full Names	superoxide dismutase 1, soluble
NCBI Official Symbol	SOD1
NCBI Official Synonym Symbols	ALS; SOD; ALS1; IPOA; hSod1; HEL-S-44; homodimer
NCBI Protein Information	superoxide dismutase [Cu-Zn]; superoxide dismutase [Cu-Zn]; Cu/Zn superoxide dismutase; SOD, soluble; epididymis secretory protein Li 44; indophenoxidase A; superoxide dismutase, cytosolic
UniProt Protein Name	Superoxide dismutase [Cu-Zn]
UniProt Gene Name	SOD1
UniProt Synonym Gene Names	hSod1
UniProt Entry Name	SODC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/sod1-antibody-immunohistochemistry-western-blot-elisa/212291>