

Rabbit Superoxide Dismutase 1 Polyclonal Antibody | anti-SOD1 antibody

Anti-Superoxide Dismutase 1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45147	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunohistochemistry, Immunohistochemistry, Western Blot

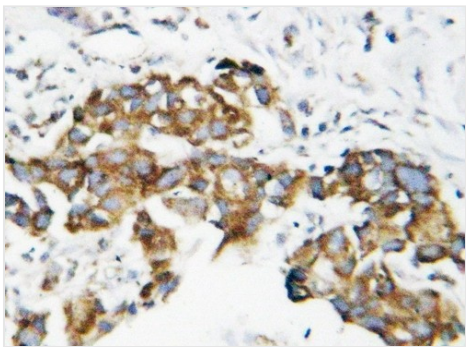
PRODUCT SYNONYMS

Superoxide Dismutase 1; Polyclonal Antibody; Anti-Superoxide Dismutase 1 antibody; Superoxide dismutase[Cu-Zn]; superoxide dismutase 1; soluble; ALS 1 antibody; ALS antibody; ALS1 antibody; Amyotrophic lateral sclerosis 1 adult antibody; Amyotrophic lateral sclerosis 1 antibody; Cu/Zn SOD antibody; Cu/Zn superoxide dismutase antibody; Homodimer antibody; hSod1 antibody; Indophenoloxidase A antibody; IPOA antibody; Mn superoxide dismutase antibody; SOD 1 antibody; SOD antibody; SOD soluble antibody; SOD1 antibody; SODC antibody; SODC_HUMAN antibody; Superoxide dismutase[Cu Zn] antibody; Superoxide dismutase[Cu-Zn] antibody; Superoxide dismutase 1 antibody; Superoxide dismutase 1 soluble antibody; Superoxide dismutase antibody; Superoxide dismutase Cu Zn antibody; Superoxide dismutase cystolic antibody; anti-SOD1 antibody

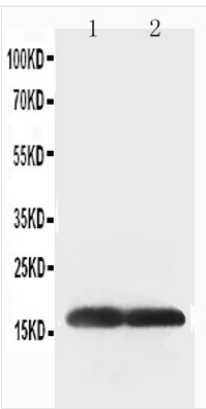
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	154
Applicable Applications for anti-SOD1 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of Human Superoxide Dismutase 1 (113-129aa IIGRTLTVHEKADDLGK), different from the mouse sequence by two amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-SOD1 antibody, AAA45147, IHC(P)IHC(P): Human Mammary Cancer Tissue



WB (Western Blot)
Anti-SOD1 antibody, AAA45147, Western blottingLane 1: COLO320 Cell LysateLane 2: SMMC Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-SOD1 antibody

Description: Rabbit IgG polyclonal antibody for Superoxide dismutase[Cu-Zn](SOD1) detection. Tested with WB, IHC-P, IHC-F, ICC in Human, Mouse, Rat.

Background: Superoxide dismutases(SOD) are a class of enzymes that catalyze the dismutation of superoxide into oxygen and hydrogen peroxide. As such, they are an important antioxidant defense in nearly all cells exposed to oxygen. One of the exceedingly rare exceptions is Lactobacillus plantarum and related lactobacilli, which use a different mechanism.Cu,Zn-SOD was found widely distributed in the cell cytosol and in the cell nucleus, consistent with it being a soluble cytosolic protein. Mitochondria and secretory compartments did not label for this protein. In human cells, peroxisomes showed a labeling density slightly less than that of cytoplasm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	134611
NCBI GeneID	6647
UniProt Accession #	P00441; Q16669; Q16711; Q16838; Q16839; Q16840; Q6NR85; A6NHJ0; D3DSE4
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]; SOD, soluble; indophenoloxidase A; Cu/Zn superoxide dismutase; superoxide dismutase, cystolic; epididymis secretory protein Li 44
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.