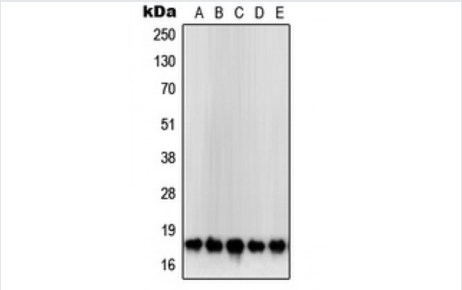
SOD1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SOD1, Polyclonal Antibody
Full Product Name	SOD1 Antibody
Product Gene Name	anti-SOD1 antibody
Product Synonym Names	Purified Polyclonal SOD1 Antibody; Polyclonal SOD1 antibody; Anti-SOD1 antibody; Superoxide dismutase [Cu-Zn] antibody; Superoxide dismutase 1 antibody; hSod1 antibody
Clonality	Polyclonal
Host	Rabbit
Form/Format	Supplied in liquid form in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3 with 30% Glycerol and 0.01% Sodium Azide
Purity/Purification	Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of SOD1 protein
Preparation and Storage	Store at 4 degree C for short term storage. For long term, aliquot and store at -20 degree C. Avoid repeat freeze/thaw cycles.
Immunogen	SOD1 antibody was raised in Rabbit using a KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SOD1 as the immunogen
Cross-Reactivity	Bovine, Monkey, Rabbit, Sheep
Product Categories/Family for anti-SOD1 antibody	Proteases; Inhibitors; & Enzymes
Applications Tested/Suitable for anti-SOD1 antibody	Western Blot (WB)
Application Notes for anti-SOD1 antibody	WB: 1:500-1:1000
Related Product Information for anti-SOD1 antibody	SOD1 binds copper and zinc ions and is one of three superoxide dismutases responsible for destroying free superoxide radicals in the body. The encoded isozyme is a soluble cytoplasmic and mitochondrial intermembrane space protein, acting as a homodimer to convert naturally occurring, but harmful, superoxide radicals to molecular oxygen and hydrogen peroxide.
Other Notes	Small volumes of anti-SOD1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SOD1 purchase	MBS5315030 is an antibody targeting SOD1. Also known as SOD1 Antibody. Host: Rabbit.



Western Blot (WB) of anti-SOD1 antibody
Western blot analysis of SOD1 expression in HeLa (A); MCF7 (B); Jurkat (C); HepG2 (D); DU145 (E) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SOD1. It may not necessarily be applicable to this product.

NCBI GI #	49456443
NCBI GeneID	6647
UniProt Related Accession #	P00441
NCBI Official Full Name	SOD1
NCBI Official Synonym Full Names	superoxide dismutase 1
NCBI Official Symbol	SOD1
NCBI Official Synonym Symbols	ALS; SOD; ALS1; IPOA; hSod1; HEL-S-44; homodimer
Protein Family	Superoxide dismutase
NCBI Protein Information	superoxide dismutase [Cu-Zn]
NCBI Summary for SOD1	The protein encoded by this gene binds copper and zinc ions and is one of two isozymes responsible for destroying free superoxide radicals in the body. The encoded isozyme is a soluble cytoplasmic protein, acting as a homodimer to convert naturally-occuring 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. Rare transcript variants have been reported for this gene. [provided by RefSeq, Jul 2008]
Research Articles on SOD1	**1.** Misfolded SOD1 to act as a pathological seed, spread between cells, and propagate neuroanatomically.
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