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PRODUCT DATASHEET

Anti-Superoxide dismutase 1 (SOD1) Antibody

Product Details

Available Variants	100 µL (SKU:R-126-100)
Conjugate	Unconjugated
Isotype	Mixed
Host Species	Rabbit
Format	Whole serum
Physical State	Lyophilized
Applications	WB
Dilution Ranges	WB: 1:500-1:1000
Species Reactivity	Mouse, Rat
Immunogen	A synthetic peptide (ASGEPVV LSGQIT) as part of mouse superoxide dismutase (SOD1) protein (aa: 24-36) conjugated to diphtheria toxoid
Specificity	Specificity was confirmed by Western blot detecting mouse superoxide dismutase (SOD1). This antiserum is known to react with mouse and rat superoxide dismutase (SOD1) protein.
Storage	Spin vial briefly before opening. Reconstitute in 100 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. After reconstitution keep aliquots at -20°C for a higher stability, and at 2-8°C with an appropriate antibacterial agent. Glycerol (1:1) may be added for an additional stability. Avoid repetitive freeze/thaw cycles.
UniProt ID	P08228 UniProt Summary: Destroys radicals which are normally produced within the cells and which are toxic to biological systems. Catalyzes the oxidation of hydrogen sulfide (H2S) to sulfate, playing an important role in detoxifying H2S and limiting the accumulation of reactive sulfur species (RSS) such as persulfides and polysulfides.

Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.
NCBI Gene ID	20655

Product Images



Western blot detection of mouse SOD1 in mouse brain tissue extract (lane 1) when using Rabbit antibody to mouse superoxide dismutase (SOD1; 24-36): whole serum (catalogue no. R-126-100) at a dilution of 1:500. The immunoreactivity of this antibody is completely abolished when it is pre-incubated with the immunising SOD1 peptide (lane 2).