



Anti-SOD1 Antibody

Alternative Names: hSod1, ALS, ALS1, SODC, SOD2, Superoxide dismutase

Catalogue Number: AB21-10140-100ug

Size: 100 µg

Background Information

Superoxide dismutase 1 (SOD1) is one of three superoxide dismutases with SOD1 being the principal cytoplasmic superoxide dismutase in humans. It binds copper and zinc ions for its activity and stability and plays a major role in redox potential regulation. It catalyses the transformation of the superoxide anion ($O_2^{\bullet-}$) into hydrogen peroxide. SOD1 variants are a common cause of familial amyotrophic lateral sclerosis (ALS).

The Immunogen for this antibody is taken from a region of very high sequence conservation within the Zn-binding loop.

Product Information

Antibody Type:	Polyclonal	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human, Mouse, Rat
Immunogen:	A synthetic peptide from the Zn-binding loop of Human SOD1		
Format:	100 µg in 100 µl PBS with 0.03% Proclin300, 50% glycerol, pH7.3.		
Storage Conditions:	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
Applications:	WB WB 1:3000.		

Additional Information

Subcellular location:	Cytoplasm, Nucleus, Mitochondrion	MW:	16kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	6647	Uniprot ID:	P00441