



Anti-SOD1 Antibody

Alternative Names: ALS, ALS1, HEL-S-44, IPOA, SOD, hSod1, homodimer

Catalogue Number: AB19-10106-50ug

Size: 50 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).

Product Information

Antibody Type:	Polyclonal	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human, Mouse, Rat
Immunogen:	Full length recombinant human SOD1		
Format:	50 µg in 50 µl PBS with 0.02% sodium azide, 50% glycerol, pH7.3.		
Storage Conditions:	Store at -20°C. Avoid freeze / thaw cycles.		
Applications:	WB IHC WB 1:500-2000. IHC 1:50-200.		

Additional Information

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