Product Name: Superoxide Dismutase 1 Rabbit Monoclonal Antibody
Catalog #: AMRe02651

Summary

Production Name	Superoxide Dismutase 1 Rabbit Monoclonal Antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

Immunogen

Gene Name	SOD1
Alternative Names	SOD1; Superoxide dismutase [Cu-Zn]; Superoxide dismutase 1; hSod1
Gene ID	6647
SwissProt ID	P00441

Application

Dilution Ratio	WB: 1/500-1/1000
Molecular Weight	Calculated MW: 16 kDa; Observed MW: 16 kDa

Product Name: Superoxide Dismutase 1 Rabbit Monoclonal Antibody
Catalog #: AMRe02651

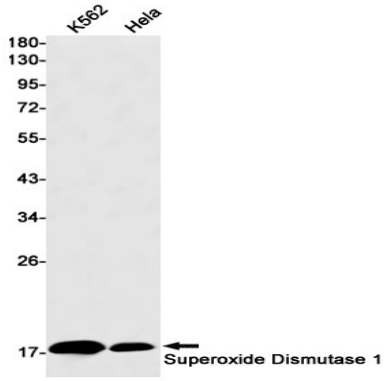
Background

SOD1, Cu/Zn superoxide dismutase, is a major antioxidant enzyme that catalyzes the conversion of superoxide anion to hydrogen peroxide and molecular oxygen. The mechanism by which mutant SOD1 induces the neurodegeneration observed in ALS is still unclear. Mutant SOD1 proteins become misfolded and consequently oligomerize into high molecular weight species that aggregate and end up in proteinaceous inclusions.

Research Area

Signal Transduction

Image Data



Western blot analysis of Superoxide Dismutase 1 in K562, Hela lysates using Superoxide Dismutase 1 antibody.

Note

For research use only.