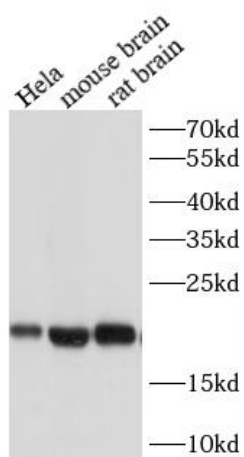
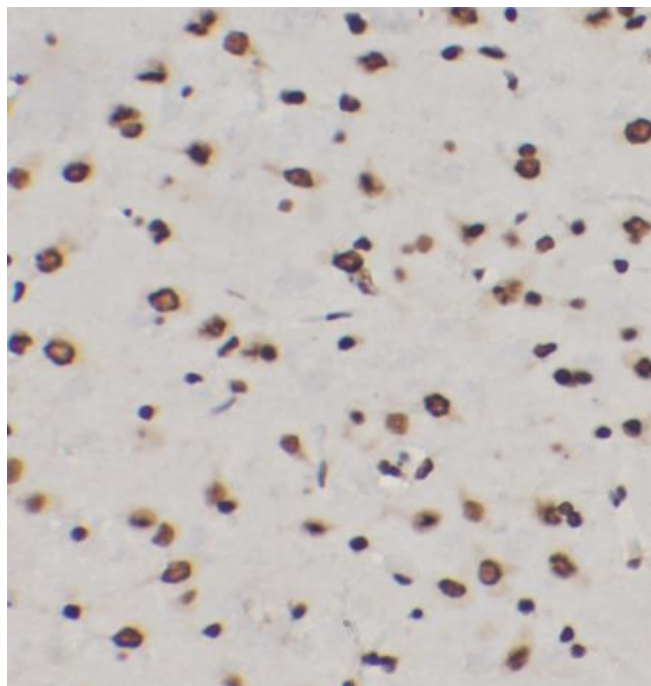


Product name:	SOD1 Mouse Monoclonal Antibody
Cat number:	MAB-94790
Conjugate:	Unconjugated
Size:	100 ug
Clone:	1H8
Concentration:	1mg/ml
Host:	Mouse
Isotype:	IgG2a
Immunogen:	superoxide dismutase 1, soluble
Reactivity:	Human, Mouse, Rat
Molecular Weight:	16-20 kDa
Purification:	Protein A+G purification
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Storage:	Store at -20°C for 12 months (Avoid repeated freeze / thaw cycles.)
Background:	Superoxide dismutase 1, soluble(amyotrophic lateral sclerosis 1(adult))(SOD1, synonyms: ALS, SOD, ALS1, IPOA) binds copper and zinc ions and is one of two isozymes responsible for destroying free uperoxide radicals in the body. This isozyme is a soluble cytoplasmic protein, acting as a homodimer to convert naturally-occurring 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.



Various lysates were subjected to SDS PAGE followed by western blot with SOD1 antibody at dilution of 1:2000



Immunohistochemistry of paraffin-embedded mouse brain tissue slide using SOD1 Antibody at dilution of 1:200