

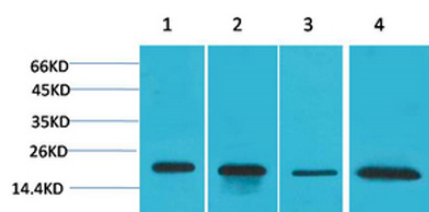


Product name:	SOD1 Rabbit Polyclonal Antibody
Cat number:	AB-80162
Conjugate:	unconjugated
Host:	Rabbit
Size:	100 ug
Synonyms:	SOD1; Superoxide dismutase [Cu-Zn]; Superoxide dismutase 1; hSod1
Clone:	Polyclonal
Concentration:	1 mg/ml
Isotype:	IgG
Immunogen:	Synthesized peptide derived from the Internal region of human SOD-1.
Reactivity:	Human;Mouse;Rat
Applications:	Western Blot: 1/500 - 1/2000.IHC-p:1:50-300. Not yet tested in other applications.
Molecular Weight:	18kD
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Background:	The protein encoded by this gene binds copper and zinc ions and is one of two isozymes responsible for destroying free superoxide radicals in the body. The encoded 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. Rare transcript variants have been reported for this gene.
Form:	liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5%BSAand0.02% sodium azide
Storage:	Store at -20°C. Avoid repeated freeze-thawcycles.

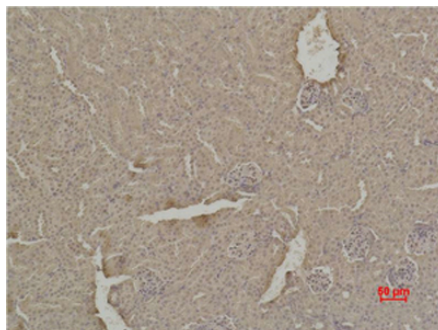
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Western blot analysis of 1) Hela, 2) MCF7, 3) Mouse Brain Tissue, 4) Rat Brain Tissue using SOD1 Polyclonal Antibody. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded Mouse Kidney Tissue using SOD1 Polyclonal Antibody.

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