

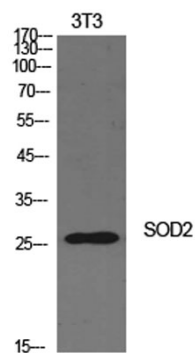


Product name:	SOD-2 rabbit pAb
Cat number:	ABE4305
Conjugate:	unconjugated
Host:	Rabbit
Size:	100 ug
Synonyms:	SOD2; Superoxide dismutase [Mn], mitochondrial
Clone:	Polyclonal
Concentration:	1 mg/ml
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from the Internal region of human SOD2. AA range:91-140
Reactivity:	Human;Mouse;Rat
Applications:	IHC-p: 100-300.Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Molecular Weight:	24kD
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Background:	This gene is a member of the iron/manganese superoxide dismutase family. It encodes a mitochondrial protein that forms a homotetramer and binds one manganese ion per subunit. This protein binds to the superoxide byproducts of oxidative phosphorylation and converts them to hydrogen peroxide and diatomic oxygen. Mutations in this gene have been associated with idiopathic cardiomyopathy (IDC), premature aging, sporadic motor neuron disease, and cancer. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been identified on chromosome 1.
Form:	liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5%BSAand0.02% sodium azide.
Storage:	-20°C/1 year

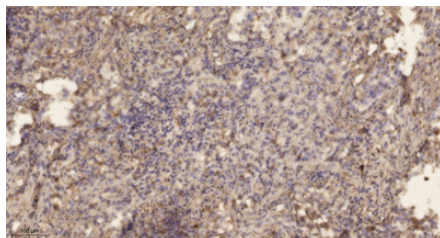
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Western Blot analysis of NIH-3T3 cells
using SOD-2 Polyclonal Antibody.
Secondary antibody was diluted at
1:20000



Immunohistochemical analysis of
paraffin-embedded human lung cancer.
1, Antibody was diluted at 1:200(4°
overnight). 2, Tris-EDTA,pH9.0 was
used for antigen retrieval. 3,Secondary
antibody was diluted at 1:200(room
temperature, 45min).

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