Recombinant SOD1/Superoxide Dismutase Monoclonal Antibody

catalog number: **AN300037P**

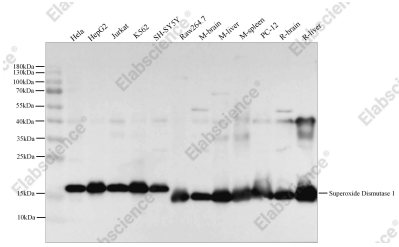
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human SOD1 protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	C110031
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB:	1:2000-1:20000；IHC-P: 1:200-1:1000；ICC/IF: 1:100-1:200；FC: 1:100

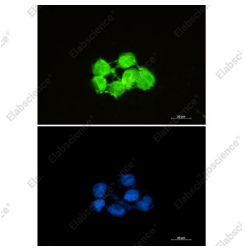
Data



Western blot analysis of HeLa,HepG2,Jurkat,K-562,SH-SY5Y,Raw264.7,Mouse brain,Mouse liver,Mouse spleen,PC-12,Rat brain and Rat liver cell lysates using SOD1/Superoxide Dismutase Antibody (AN300037P) at a dilution of 1:3000.

Observed-MW:16 kDa

Calculated-MW:16 kDa



Immunofluorescent analysis of HCT116 cells (green), and DAPI (blue).

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

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-occuring 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. [provided by RefSeq, Jul 2008]

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