

Recombinant SOD1/Superoxide Dismutase Monoclonal Antibody

catalog number: AN300037P

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

Description

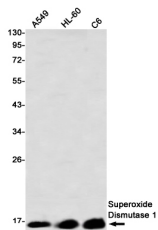
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human SOD1 protein
Host	Rabbit
Isotype	IgG
Clone	A1147
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications

Recommended Dilution

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

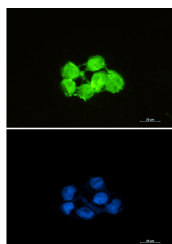
Data



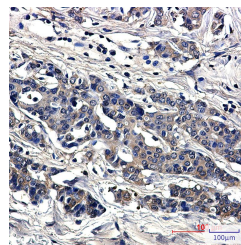
Western blot detection of Superoxide Dismutase 1 in A549, HL-60, C6 using Superoxide Dismutase 1 antibody (1:1000 diluted)

Observed-MW: 16 kDa

Calculated-MW: 16 kDa



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



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue.

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-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. [provided by RefSeq, Jul 2008]

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Rev. V1.4

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