

## Superoxide Dismutase 1 monoclonal antibody

Catalog: MB12262

Host: Rabbit

Reactivity: Human, Rat

### BackGround:

SOD1, Cu/Zn superoxide dismutase, is a major antioxidant enzyme that catalyzes the conversion of superoxide anion to hydrogen peroxide and molecular oxygen. The mechanism by which mutant SOD1 induces the neurodegeneration observed in ALS is still unclear. Mutant SOD1 proteins become misfolded and consequently oligomerize into high molecular weight species that aggregate and end up in proteinaceous inclusions.

### Product:

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA

### Molecular Weight:

Calculated MW: 16 kDa; Observed MW: 16 kDa

### Swiss-Prot:

P00441

### Purification&Purity:

Affinity Purified

### Applications:

WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200

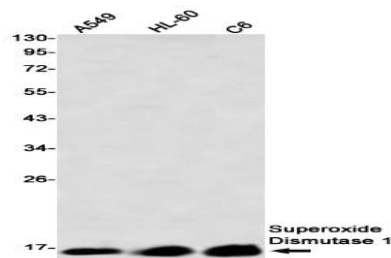
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

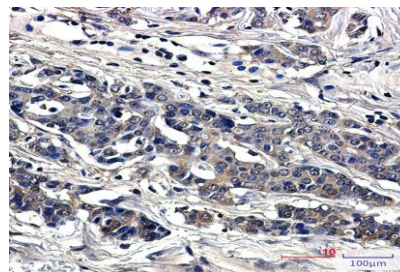
### Isotype:

IgG

### DATA:



Immunocytochemistry analysis of Superoxide Dismutase 1 in HCT116 using Superoxide Dismutase 1 antibody, and DAPI.



Western blot analysis of Superoxide Dismutase 1 in A549, HL-60, C6 lysates using Superoxide Dismutase 1 antibody.

Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using Superoxide Dismutase 1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

### Note:

For research use only, not for use in diagnostic procedure.

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