

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

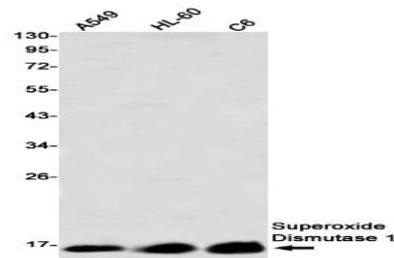
Storage&Stability:

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

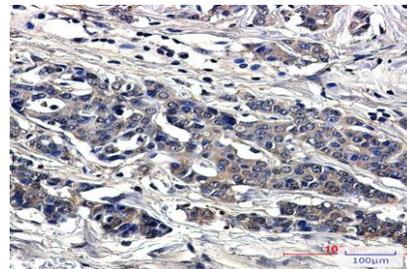
Isotype:

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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