

产品名称: Superoxide Dismutase 1 Rabbit Monoclonal Antibody
产品货号: AMRe03216



产品概述 (Summary)

产品名称 (Production Name)	Superoxide Dismutase 1 Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF
种属反应性 (Reactivity)	Human,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	SOD1
别名 (Alternative Names)	SOD1; Superoxide dismutase [Cu-Zn]; Superoxide dismutase 1; hSod1
基因 ID (Gene ID)	6647
蛋白 ID (SwissProt ID)	P00441.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200
蛋白分子量 (Molecular Weight)	Calculated MW: 16 kDa; Observed MW: 16 kDa

研究背景 (Background)

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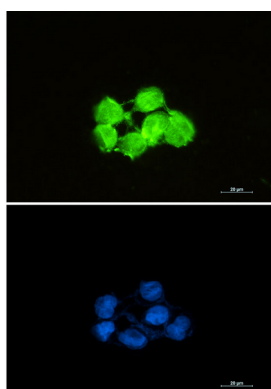


SOD1, Cu/Zn superoxide dismutase, is a major antioxidant enzyme that catalyzes the conversion of superoxide anion to hydrogen peroxide and molecular oxygen. The mechanism by which mutant SOD1 induces the neurodegeneration observed in ALS is still unclear. Mutant SOD1 proteins become misfolded and consequently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

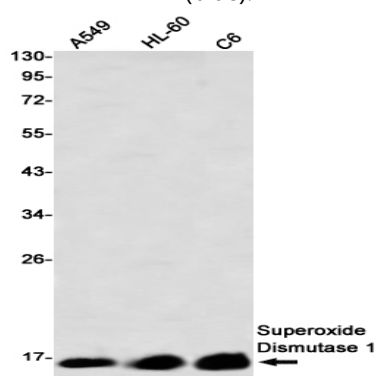
研究领域 (Research Area)

Signal Transduction

图片 (Image Data)

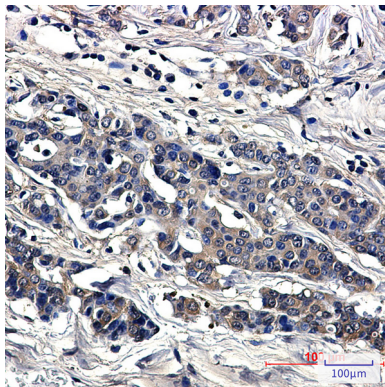


Immunocytochemistry analysis of Superoxide Dismutase 1 (green) in HCT116 using Superoxide Dismutase 1 antibody, and DAPI (blue).



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

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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.

注意事项 (Note)

For research use only .