

Anti-SOD1 / Cu-Zn SOD Antibody (clone 8B10)

Mouse Anti Human Monoclonal Antibody

Catalog # ALS17328

Product Information

Application	WB, IHC-P, FC
Primary Accession	P00441
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Names	8B10
Calculated MW	15936

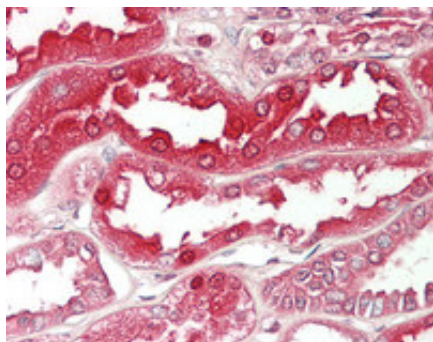
Additional Information

Gene ID	6647
Alias Symbol	SOD1
Other Names	SOD1, ALS, ALS1, Cu/Zn superoxide dismutase, HSod1, Homodimer, IPOA, SOD, soluble, SOD, Superoxide dismutase [Cu-Zn], Superoxide dismutase 1, Indophenoloxidase A, Superoxide dismutase, cystolic
Target/Specificity	Human SOD1 / SOD
Reconstitution & Storage	PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide Store at -20°C. Minimize freezing and thawing.
Precautions	Anti-SOD1 / Cu-Zn SOD Antibody (clone 8B10) is for research use only and not for use in diagnostic or therapeutic procedures.

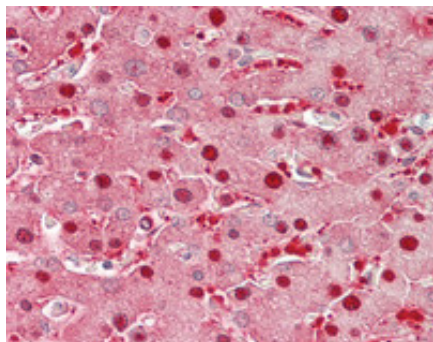
Protein Information

Name	SOD1 (HGNC:11179)
Function	Destroys radicals which are normally produced within the cells and which are toxic to biological systems (PubMed: 18948262 , PubMed: 24140062). Catalyzes the oxidation of hydrogen sulfide (H ₂ S) to sulfate, playing an important role in detoxifying H ₂ S and limiting the accumulation of reactive sulfur species (RSS) such as persulfides and polysulfides (PubMed: 36630448).
Cellular Location	Cytoplasm. Nucleus. Note=Predominantly cytoplasmic; the pathogenic variants ALS1 Arg-86 and Ala-94 gradually aggregates and accumulates in mitochondria.

Images



Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.