Mouse SOD1 Monoclonal Antibody | anti-SOD1 antibody

SOD1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA253819	**Mouse**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot, ELISA**

PRODUCT SYNONYMS

SOD1; Monoclonal Antibody; SOD1 antibody; Superoxide dismutase [Cu-Zn]; Superoxide dismutase 1 (hSod1); anti-SOD1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	1H8
Purity/Purification	Protein A+G purification >=95% as determined by SDS-PAGE
Form/Format	Liquid PBS with 0.02% sodium azide and 50% glycerol pH7.3
Applicable Applications for anti-SOD1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	superoxide dismutase 1, soluble
Preparation and Storage	Store at -20 degree C for 12 months (Avoid repeated freeze/thaw cycles.)

IMAGES

WB (Western Blot)
Various lysates were subjected to SDS PAGE followed by western blot with AAA253819(SOD1 antibody) at dilution of 1:2000

IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded mouse brain tissue slide using AAA253819(SOD1 Antibody) at dilution of 1:200

ADDITIONAL INFORMATION

Related Product Information for anti-SOD1 antibody	Superoxide dismutase 1, soluble(amyotrophic lateral sclerosis 1(adult))(SOD1, synonyms: ALS, SOD, ALS1, IPOA) binds copper and zinc ions and is one of two isozymes responsible for destroying free uperoxide radicals in the body. This isozyme is a soluble cytoplasmic protein, acting as a homodimer to convert naturally-occuring 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	134611

NCBI GeneID	6647
UniProt Accession #	P00441; Q16669; Q16711; Q16838; Q16839; Q16840; Q6NR85; A6NHJ0; D3DSE4
Molecular Weight	154
NCBI Official Full Name	Superoxide dismutase
NCBI Official Synonym Full Names	superoxide dismutase 1, soluble
NCBI Official Symbol	SOD1
NCBI Official Synonym Symbols	ALS; SOD; ALS1; IPOA; hSod1; HEL-S-44; homodimer
NCBI Protein Information	superoxide dismutase [Cu-Zn]; superoxide dismutase [Cu-Zn]; SOD, soluble; indophenoloxidase A; Cu/Zn superoxide dismutase; superoxide dismutase, cystolic; epididymis secretory protein Li 44
UniProt Protein Name	Superoxide dismutase [Cu-Zn]
UniProt Gene Name	**SOD1**
UniProt Synonym Gene Names	hSod1
UniProt Entry Name	SODC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/sod1-antibody-clone-1h8-immunofluorescence-immunohistochemistry-western-blot-elisa/253819