

Product datasheet for **TA338376**

Superoxide Dismutase 1 (SOD1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-SOD1 antibody: synthetic peptide directed towards the N terminal of human SOD1. Synthetic peptide located within the following region: MATKAVCVLKGDGPVQGIINFEQKESNGPVKVGSIKGLTEGLHGFHVHE
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	16 kDa
Gene Name:	superoxide dismutase 1, soluble
Database Link:	NP_000445 Entrez Gene 6647 Human P00441



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Background:

The protein encoded by this gene binds copper and zinc ions and is one of two isozymes responsible for destroying free superoxide radicals in the body. The encoded isozyme is a soluble cytoplasmic protein, acting as a homodimer to convert naturally-occurring 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. Rare transcript variants have been reported for this gene. [provided by RefSeq, Jul 2008]

Synonyms:

ALS; ALS1; HEL-S-44; homodimer; hSod1; IPOA; SOD

Note:

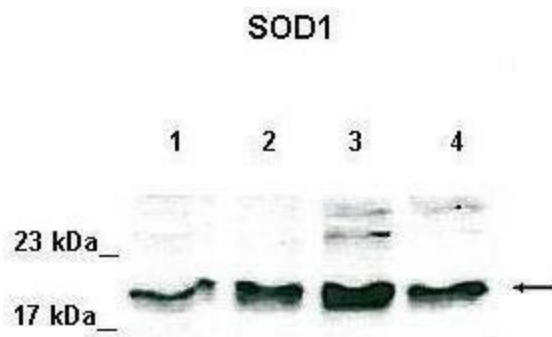
Immunogen Sequence Homology: Human: 100%; Yeast: 100%

Protein Families:

Druggable Genome

Protein Pathways:

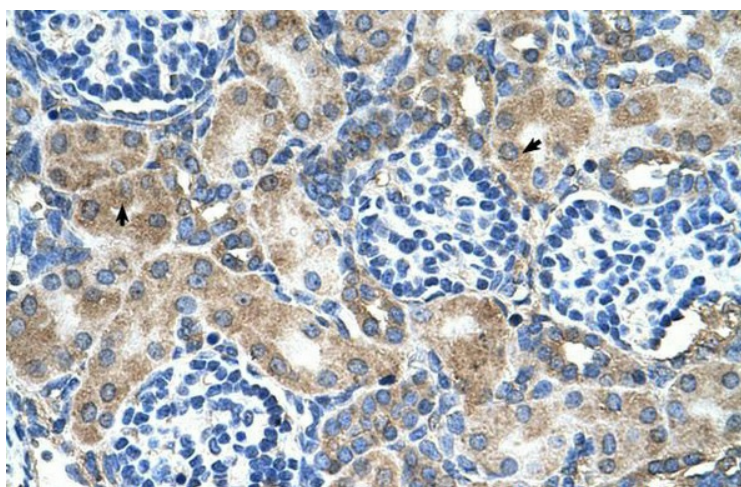
Amyotrophic lateral sclerosis (ALS), Huntington's disease, Prion diseases

Product images:


Lanes: Lane 1: 50ug HeLa lysate; Lane 2: 50ug 293T lysate; Lane 3: 50ug K562 lysate; Lane 4: 50ug MDA-MB-231 lysate; Primary Antibody Dilution: 1: 500; Secondary Antibody: Anti-rabbit-HRP; Secondary Antibody Dilution: 1: 1000; Gene Name: SOD1; Submitted b



WB Suggested Antibody Titration: 2.5 ug/ml; Positive Control: Jurkat.SOD1 is supported by BioGPS gene expression data to be expressed in Jurkat



Human kidney