



Anti-SOD1 polyclonal antibody (DPABY-756)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Destroys radicals which are normally produced within the cells and which are toxic to biological systems.
Immunogen	C-SRKHGGPKDEERH
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Conjugate	Unconjugated
Applications	ELISA Pr*, WB
Cellular Localization	The pathogenic variants ALS1 Arg-86 and Ala-94 gradually aggregates and accumulates in mitochondria.
Format	Liquid
Concentration	0.5 mg/ml
Size	100 µg
Buffer	Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Preservative	0.02% Sodium Azide
Storage	Aliquot and store at -42°C. Minimize freezing and thawing.

GENE INFORMATION

Gene Name	SOD1 superoxide dismutase 1, soluble [Homo sapiens (human)]
Official Symbol	SOD1
Synonyms	SOD1; superoxide dismutase 1, soluble; ALS; SOD; ALS1; IPOA; hSod1; HEL-S-44; homodimer; superoxide dismutase [Cu-Zn]; SOD, soluble; indophenoloxidase A; Cu/Zn superoxide dismutase; superoxide dismutase, cystolic; epididymis secretory protein Li 44;
Entrez Gene ID	6647
Protein Refseq	NP_000445
UniProt ID	P00441
Chromosome Location	21q22.11
Pathway	AGE/RAGE pathway; Amyotrophic lateral sclerosis (ALS); Cellular responses to stress; Detoxification of Reactive Oxygen Species; Dopamine metabolism; FOXA1 transcription factor network; Folate Metabolism; Hemostasis;
Function	Rac GTPase binding; chaperone binding; copper ion binding; identical protein binding; protein binding; protein homodimerization activity; protein phosphatase 2B binding; superoxide dismutase activity; zinc ion binding;