



# Anti-SOD1 polyclonal antibody (DPABY-756)

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

## PRODUCT INFORMATION

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

# GENE INFORMATION

Gene Name	<a href="#">SOD1 superoxide dismutase 1, soluble [ Homo sapiens (human) ]</a>
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	<a href="#">6647</a>
Protein Refseq	<a href="#">NP_000445</a>
UniProt ID	<a href="#">P00441</a>
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;