



## Anti-SOD1 (internal region) polyclonal antibody (DPABH-16852)

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>	Synthetic peptide: C-SRKHGGPKDEERH, corresponding to internal sequence amino acids 69-81 of Human Superoxide Dismutase 1
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Mouse, Rat, Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Sandwich ELISA, WB, ELISA, ICC/IF
<b>Format</b>	Liquid
<b>Size</b>	200 µl
<b>Buffer</b>	Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">SOD1 superoxide dismutase 2, soluble [ Homo sapiens ]</a>
<b>Official Symbol</b>	SOD1
<b>Synonyms</b>	SOD1; superoxide dismutase 1, soluble; ALS; SOD; ALS1; IPOA; hSod1; HEL-S-44; homodimer; superoxide dismutase [Cu-Zn]; SOD, soluble; indophenoxidase A; Cu/Zn superoxide dismutase; superoxide dismutase, cystolic; epididymis secretory protein Li 44;
<b>Entrez Gene ID</b>	<a href="#">6647</a>
<b>Protein Refseq</b>	<a href="#">NP_000445.1</a>
<b>UniProt ID</b>	<a href="#">P00441</a>
<b>Pathway</b>	AGE/RAGE pathway; Amyotrophic lateral sclerosis (ALS); Cellular responses to stress; Dopamine metabolism
<b>Function</b>	Rac GTPase binding; chaperone binding; copper ion binding; identical protein binding