



Anti-SOD2 monoclonal antibody, clone nBcdbn 85342 (DCABH-9584)

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

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to SOD2
Antigen Description	Destroys superoxide anion radicals which are normally produced within the cells and which are toxic to biological systems.
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 50 - 150 of Human Superoxide Dismutase 2.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Rat, Human
Clone	nBcdbn 85342
Conjugate	Unconjugated
Applications	Flow Cyt, WB
Positive Control	This antibody gave a positive signal in the following tissue lysates: Human Liver; Human Brain; Human Heart; Rat Brain.
Format	Liquid
Size	100 µl
Buffer	Preservative: 0.02% Sodium Azide; Constituents: 1% BSA, PBS, pH 7.4
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	SOD2 superoxide dismutase 2, mitochondrial [Homo sapiens]
Official Symbol	SOD2
Synonyms	SOD2; superoxide dismutase 2, mitochondrial; superoxide dismutase [Mn], mitochondrial; indophenoloxidase B; Mn superoxide dismutase; mangano-superoxide dismutase; manganese-containing superoxide dismutase; IPOB; MNSOD; MVCD6;
Entrez Gene ID	6648
Protein Refseq	NP_000627
UniProt ID	P04179
Chromosome Location	6q25
Pathway	FoxO family signaling, organism-specific biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem; Oxidative Stress, organism-specific biosystem; Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem; Selenium Pathway, organism-specific biosystem;
Function	DNA binding; identical protein binding; manganese ion binding; manganese ion binding; metal ion binding; oxidoreductase activity; oxygen binding; superoxide dismutase activity; superoxide dismutase activity;