

SOD2 Rabbit pAb

Catalog Number: BN41808R

Target Protein: SOD2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), Flow-Cyt (2ug/Test), IF (1:100-500), ELISA (1:5000-10000)

Reactivity: Human, Mouse, Rat (predicted: Chicken, Dog, Horse)

Predicted MW: 22 kDa

Isotype: IgG

Entrez Gene: 6648

Swiss Prot: P04179

Source: KLH conjugated synthetic peptide derived from human SOD2: 21-120/222.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene is a member of the iron/manganese superoxide dismutase family. It encodes a mitochondrial protein that forms a homotetramer and binds one manganese ion per subunit. This protein binds to the superoxide byproducts of oxidative phosphorylation and converts them to hydrogen peroxide and diatomic oxygen. Mutations in this gene have been associated with idiopathic cardiomyopathy (IDC), premature aging, sporadic motor neuron disease, and cancer. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]