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# SOD2 Polyclonal Antibody

**Cat #:** G-AB-00644

**Host:** Rabbit **Reactivity:** Human, Mouse, Rat

**Isotype:** IgG **Clonality:** Polyclonal

**Overview:**
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.

**Gene ID:**

**Accession #:** BC012423

**Immunogen:** Recombinant protein of human SOD2

**Conjugation:** Unconjugated

**Swissprot:** P04179

**Calculated Molecular Weight:** 25 kDa

**Observed Molecular Weight:**

**Concentration:** 0.5 mg/mL

**Buffer:** PBS with 0.05% sodium azide and 50% glycerol, PH7.4

**Purification Method:** Affinity purification

**Application:** WB,ELISA

**Dilution:** WB 1:500-1:2000

**Storage:** Store at -20°C. Avoid freeze / thaw cycles.