

Basic Information

Product Name	Anti-SOD2 Antibody (Clone#OTI1H6)
Gene Name	SOD2
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human, mouse, rat, dog
Tested Application	WB
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Immunogen	Full length human recombinant protein of human SOD2 (NP_000627) produced in HEK293T cell.
Concentration	500 ug/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Observed MW	22.2 kDa
Dilution Ratios	Western blot (WB):1:500~2000

Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

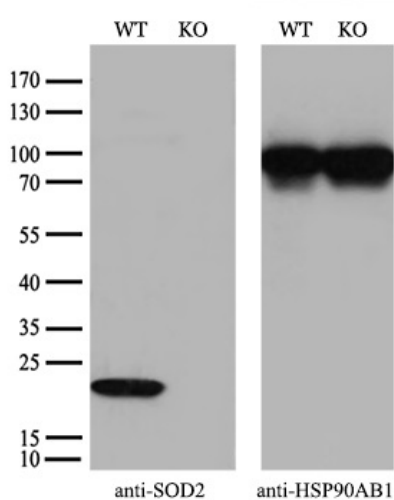
Background Information

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]

Reference

Anti-SOD2 Antibody (Clone#OTI1H6)被引用在1文献中。

Selected Validation Data



Equivalent amounts of cell lysates (10 ug per lane) of wild-type HEK293T cells (WT) and SOD2-Knockout HEK293T cells (KO) were separated by SDS-PAGE and immunoblotted with anti-SOD2 monoclonal antibody M00349-4 (1:500). Then the blotted membrane was stripped and reprobed with anti-HSP90 antibody as a loading control.