

## SOD2 Recombinant Rabbit mAb

Catalog: BS45826

Host: Rabbit

Reactivity: Human, Mouse, Rat

### 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. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been identified on chromosome 1. [provided by RefSeq, Apr 2016]

### Product:

Store at -20 °C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.

### Molecular Weight:

25 kDa

### Swiss-Prot:

P04179

### Purification&Purity:

Affinity Purification

### Applications:

WB: 1:1000 IHC: 1:100-1:200

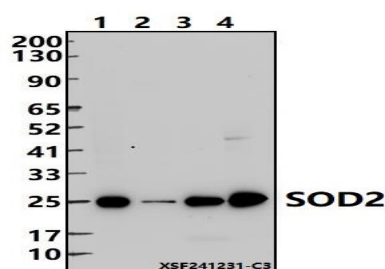
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

IgG

### DATA:



Western blot (WB) analysis of SOD2 Recombinant Rabbit mAb at 1:500 dilution

Lane1:Hela whole cell lysate(30ug)

Lane2:K562 whole cell lysate(30ug)

Lane3:The Lung tissue lysate of Mouse(30ug)

Lane4:The Brain tissue lysate of Rat(30ug)

### Note:

For research use only, not for use in diagnostic procedure.

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