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## anti-SOD3 antibody





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Quantity:	200 μL
Target:	SOD3
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SOD3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

#### **Product Details**

Immunogen:	Recombinant fusion protein of human SOD3 (NP_003093.2).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

## **Target Details**

Target:	SOD3
Alternative Name:	SOD3 (SOD3 Products)
Background:	This gene encodes a member of the superoxide dismutase (SOD) protein family. SODs are antioxidant enzymes that catalyze the conversion of superoxide radicals into hydrogen peroxide and oxygen, which may protect the brain, lungs, and other tissues from oxidative stress.  Proteolytic processing of the encoded protein results in the formation of two distinct

#### **Target Details**

homotetramers that differ in their ability to interact with the extracellular matrix (ECM).
Homotetramers consisting of the intact protein, or type C subunit, exhibit high affinity for
heparin and are anchored to the ECM. Homotetramers consisting of a proteolytically cleaved
form of the protein, or type A subunit, exhibit low affinity for heparin and do not interact with the
ECM. A mutation in this gene may be associated with increased heart disease risk.
Observed_MW: 35 kDa

Molecular Weight:

Calculated\_MW: 25 kDa

Gene ID:

6649

UniProt:

P08294

## **Application Details**

Application Notes:

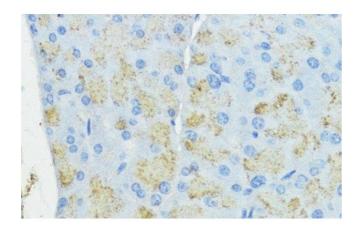
WB 1:500-1:2000 IHC 1:50-1:200

Restrictions:

For Research Use only

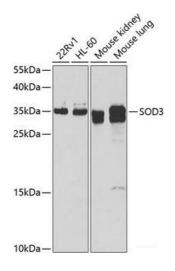
## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



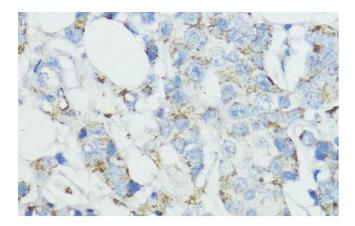
#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of paraffin-embedded Mouse pancreas using SOD3 Polyclonal Antibody at dilution of 1:100 (40x lens).



#### **Western Blotting**

**Image 2.** Western blot analysis of extracts of various cell lines using SOD3 Polyclonal Antibody at dilution of 1:1000.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry of paraffin-embedded Human mammary cancer using SOD3 Polyclonal Antibody at dilution of 1:100 (40x lens).

Please check the product details page for more images. Overall 4 images are available for ABIN7262913.