## **SOD3 Rabbit Polyclonal Antibody**



## **CAB13935**

**Product Information** 

Size:

20uL, 50uL, 100uL, 200uL

**Observed MW:** 

26kDa

Calculated MW:

25kDa

WB IF

**Applications:** 

лррпса поп

Reactivity:

Human, Mouse, Rat

Recommended dilutions:

WB 1:500 - 1:2000 IF 1:50 -

**Antibody Information** 

1:200

Source:

Rabbit

Isotype:

IgG

**Protein 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 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.

Immunogen information

**Gene ID:** 6649

Uniprot P08294

Synonyms:

SOD3; EC-SOD

Immunogen:

Recombinant fusion protein containing a sequence corresponding

to a mino acids 19-160 of human SOD3 (NP\_003093.2).

Storage:

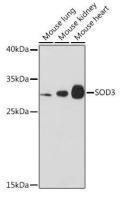
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02%

sodium azide, 50% glycerol, pH7.3.

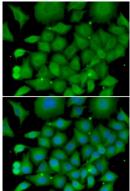
**Purification:** 

Affinity purification

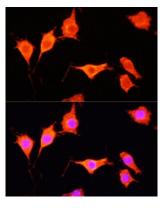
## **Product Images**



Western blot analysis of extracts of various cell lines, using SOD3 Rabbit pAb (CAB13935) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Immunofluorescence analysis of U2OS cells using SOD3 antibody (CAB13935). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using SOD3 antibody (CAB13935) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.