

For Research Use Only

# SOD2 Polyclonal antibody

Catalog Number: 22267-1-AP



## Basic Information

Catalog Number:

22267-1-AP

Concentration:

900 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_000636

GeneID (NCBI):

6648

UNIPROT ID:

P04179

Full Name:

superoxide dismutase 2,  
mitochondrial

Calculated MW:

25 kDa

Observed MW:

22-25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HEK-293 cells, HeLa cells, HepG2 cells, L02 cells,  
NIH/3T3 cells, RAW 264.7 cells

## Background Information

SOD2(superoxide dismutase 2, mitochondrial ) is also named as IPOB, MNSOD, SODM, Mn-SOD and belongs to the iron/manganese superoxide dismutase family. It is a marker of mitochondria, which is restricted to the perinuclear area in a cell with aggregate formation of mutant SOD1(PMID:12659845). It functions as the first line of antioxidant defense against highly reactive superoxide radicals and it appears to be early predictors for survival in septic patients with MIF(PMID:20863520). It has 2 isoforms with the molecular weight of 25 kDa and 21 kDa. This antibody is specific to SOD2.

## Notable Publications

| Author      | Pubmed ID | Journal | Application |
|-------------|-----------|---------|-------------|
| Yongjian Li | 39559220  | Heliyon | WB          |

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

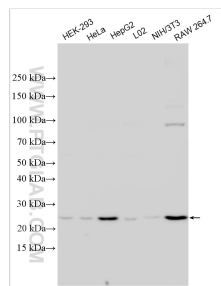
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 22267-1-AP (MnSOD antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.