SOD2 Antibody

Catalog No: #32265

Package Size: #32265-1 50ul #32265-2 100ul



Orders: order@signalwayantibody.com Support: tech@signalwayantibody.com

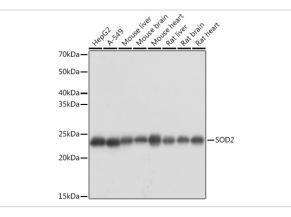
## Description

| Booonpaon             |                                                              |
|-----------------------|--------------------------------------------------------------|
| Product Name          | SOD2 Antibody                                                |
| Host Species          | Rabbit                                                       |
| Clonality             | Polyclonal                                                   |
| Isotype               | IgG                                                          |
| Purification          | Affinity purification                                        |
| Applications          | WB,IHC,IF                                                    |
| Species Reactivity    | Human,Mouse,Rat                                              |
| Specificity           | The antibody detects endogenous level of total SOD2 protein. |
| Immunogen Type        | Recombinant Protein                                          |
| Immunogen Description | Recombinant fusion protein of human SOD2 (NP_000627.2).      |
| Target Name           | SOD2                                                         |
| Other Names           | IPO-B;IPOB;MNSOD;MVCD6;Mn-SOD;SOD2                           |
| Accession No.         | Uniprot:P04179GeneID:6648                                    |
| Uniprot               | P04179                                                       |
| GeneID                | 6648                                                         |
| SDS-PAGE MW           | 25KDa/22KDa                                                  |
| Concentration         | 1.0mg/ml                                                     |
| Formulation           | PBS with 0.02% sodium azide,50% glycerol,pH7.3.              |
| Storage               | Store at -20°C. Avoid freeze / thaw cycles.                  |
|                       |                                                              |

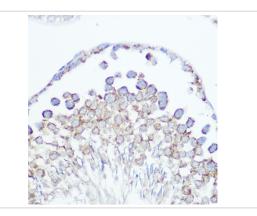
## Application Details

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

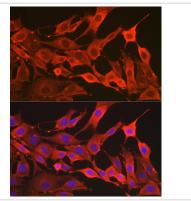
## Images



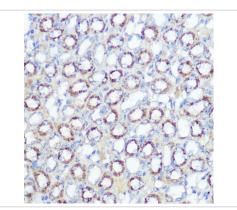
Western blot analysis of extracts of various cell lines, using SOD2 antibody.



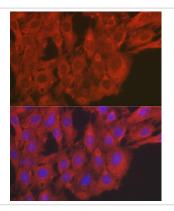
Immunohistochemistry of paraffin-embedded rat testis using SOD2 Rabbit pAb.



Immunofluorescence analysis of NIH/3T3 cells using [KO Validated] SOD2 Rabbit pAb.

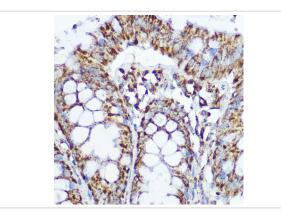


Immunohistochemistry of paraffin-embedded mouse kidney using SOD2 Rabbit pAb.



Immunofluorescence analysis of C6 cells using [KO Validated] SOD2 Rabbit pAb.

Immunofluorescence analysis of U2OS cells using [KO Validated] SOD2 Rabbit pAb.



Immunohistochemistry of paraffin-embedded human colon using SOD2 Rabbit pAb.

## 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.

Note: This product is for in vitro research use only