

## Rabbit SOD2 Polyclonal Antibody | anti-SOD2 antibody

Rabbit anti-SOD2 Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA222344</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

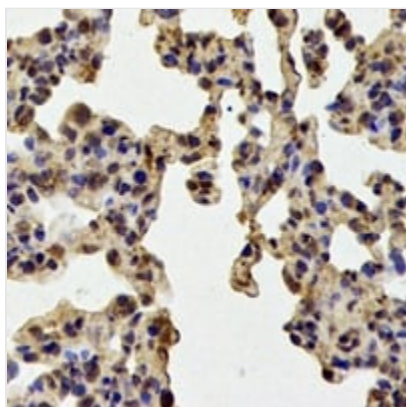
### PRODUCT SYNONYMS

SOD2; Polyclonal Antibody; Rabbit anti-SOD2 Antibody; Superoxide dismutase [Mn]; mitochondrial; anti-SOD2 antibody

### PRODUCT SPECIFICATIONS

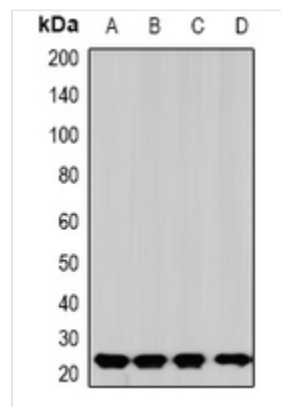
|                                                |                                                                                                           |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                    |
| Reactivity                                     | Human, Mouse, Rat                                                                                         |
| Clonality                                      | Polyclonal                                                                                                |
| Purity/Purification                            | The antibody was purified by immunogen affinity chromatography.                                           |
| Form/Format                                    | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Concentration                                  | 1mg/mL (varies by lot)                                                                                    |
| Applicable Applications for anti-SOD2 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                             |
| Immunogen                                      | Recombinant full length protein of human SOD2                                                             |
| Preparation and Storage                        | Store at -20 degree C. Avoid repeated freeze/thaw cycles.                                                 |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of SOD2 staining in rat lung formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### WB (Western Blot)

Western blot analysis of SOD2 expression in K562 (A), HepG2 (B), mouse liver (C), mouse heart (D) whole cell lysates.

### ADDITIONAL INFORMATION

Product Categories/Family for anti-SOD2 antibody

Primary antibodies

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 134665                                                                                                                                                                                                    |
| NCBI GeneID                      | 6648                                                                                                                                                                                                      |
| UniProt Accession #              | P04179; P09671; P07895                                                                                                                                                                                    |
| Molecular Weight                 | 222                                                                                                                                                                                                       |
| NCBI Official Full Name          | Superoxide dismutase                                                                                                                                                                                      |
| NCBI Official Synonym Full Names | superoxide dismutase 2, mitochondrial                                                                                                                                                                     |
| NCBI Official Symbol             | SOD2                                                                                                                                                                                                      |
| NCBI Official Synonym Symbols    | IPOB; MNSOD; MVCD6                                                                                                                                                                                        |
| NCBI Protein Information         | superoxide dismutase [Mn], mitochondrial; superoxide dismutase [Mn], mitochondrial; indophenoloxidase B; Mn superoxide dismutase; mangano-superoxide dismutase; manganese-containing superoxide dismutase |
| UniProt Protein Name             | Superoxide dismutase [Mn], mitochondrial                                                                                                                                                                  |
| UniProt Gene Name                | SOD2                                                                                                                                                                                                      |
| UniProt Entry Name               | SODM_HUMAN                                                                                                                                                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/polyclonal/sod2-antibody-immunohistochemistry-western-blot-elisa/222344>