

**Anti-SOD2 Antibody**  
**Mouse Monoclonal Antibody**  
**Catalog # AP53486****Specification**

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**Anti-SOD2 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P04179</a>
Other Accession	<a href="#">NM_000636</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG2b</b>
Immunogen	<b>Synthetic peptide corresponding to human SOD2 protein</b>
Purification	<b>Affinity purified</b>
Calculated MW	<b>22KDa KDa</b>

**Anti-SOD2 Antibody - Additional Information****Gene ID** 6648**Other Names**

Indophenoxidase B; IPO B; IPOB; Manganese containing superoxide dismutase; Manganese SOD; Manganese superoxide dismutase; Mangano superoxide dismutase; Mn SOD; Mn superoxide dismutase; MNSOD; MVCD6; SOD 2; SOD2; SODM\_HUMAN; Superoxide dismutase [Mn] mitochondrial; Superoxide dismutase [Mn], mitochondrial; Superoxide dismutase 2 mitochondrial.

**Dilution**

WB~~1:1000

**Format**

Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-SOD2 Antibody - Protein Information****Name** SOD2**Function**

Destroys superoxide anion radicals which are normally produced within the cells and which are toxic to biological systems.

**Cellular Location**

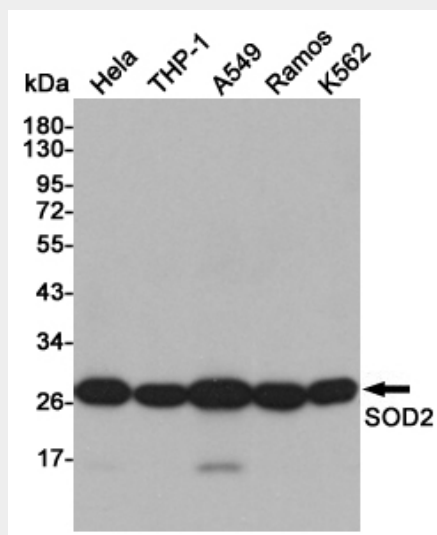
Mitochondrion matrix.

## Anti-SOD2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-SOD2 Antibody - Images



Western blot detection of SOD2 in HeLa, THP-1, A549 Ramos and K562 cell lysates using SOD2 Mouse mAb (1:1000 diluted). Predicted band size: 25KDa. Observed band size: 22KDa.

## Anti-SOD2 Antibody - Background

Destroys superoxide anion radicals which are normally produced within the cells and which are toxic to biological systems.