10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-SOD2 Antibody
Mouse Monoclonal Antibody
Catalog # AP53486

Specification

Anti-SOD2 Antibody - Product Information

Application	**WB**
Primary Accession	P04179
Other Accession	NM_000636
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b**
Immunogen	**Synthetic peptide corresponding to human SOD2 protein**
Purification	**Affinity purified**
Calculated MW	**22KDa KDa**

Anti-SOD2 Antibody - Additional Information

Gene ID 6648

Other Names
Indophenoloxidase 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.

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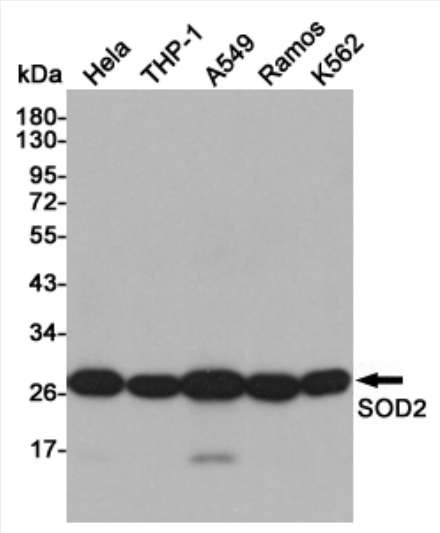
Anti-SOD2 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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.