

Anti-SOD2 Antibody

Mouse Monoclonal Antibody Catalog # AP53486

Specification

Anti-SOD2 Antibody - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality Isotype Immunogen

Purification Calculated MW WB P04179 NM_000636 Human Mouse Monoclonal IgG2b Synthetic peptide corresponding to human SOD2 protein Affinity purified 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.



Anti-SOD2 Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

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.