

KD-Validated Anti-Superoxide Dismutase 2 Mouse Monoclonal Antibody
Mouse monoclonal antibody
Catalog # AGI1791

Specification

KD-Validated Anti-Superoxide Dismutase 2 Mouse Monoclonal Antibody - Product Information

Application	WB
Primary Accession	P04179
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1 kappa
Calculated MW	Predicted, 25 kDa, observed, 22 kDa KDa
Gene Name	SOD2
Aliases	SOD2; Superoxide Dismutase 2; GC1nc1; MnSOD; IPOB; GC1; Superoxide Dismutase [Mn], Mitochondrial; Superoxide Dismutase 2, Mitochondrial; EC 1.15.1.1; Epididymis Secretory Sperm Binding Protein; Manganese-Containing Superoxide Dismutase; Gastric Cancer-Associated LncRNA 1; Gastric Cancer-Associated LncRNA 1; Manganese Superoxide Dismutase; Mangano-Superoxide Dismutase; Mn Superoxide Dismutase; Indophenoloxidase B; Mn-SOD; IPO-B; MVCD6
Immunogen	Recombinant protein of human SOD2

KD-Validated Anti-Superoxide Dismutase 2 Mouse Monoclonal Antibody - Additional Information

Gene ID	6648
Other Names	
Superoxide dismutase [Mn], mitochondrial, 1.15.1.1, SOD2	

KD-Validated Anti-Superoxide Dismutase 2 Mouse Monoclonal 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

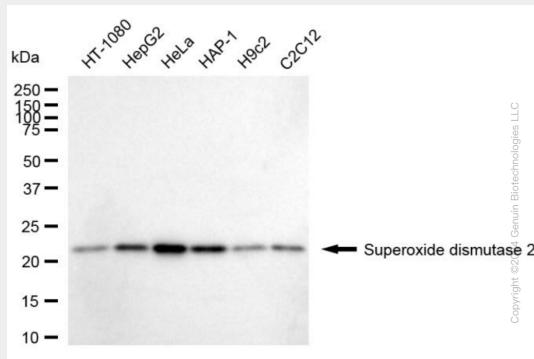
Mitochondrion matrix.

KD-Validated Anti-Superoxide Dismutase 2 Mouse Monoclonal Antibody - Protocols

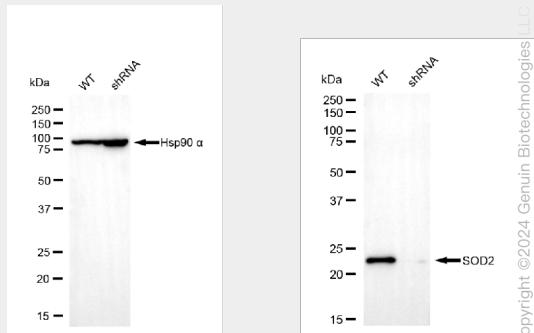
Provided below are standard protocols that you may find useful for product applications.

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

KD-Validated Anti-Superoxide Dismutase 2 Mouse Monoclonal Antibody - Images



Western blotting analysis using anti-Superoxide dismutase 2 antibody (Cat#AGI1791). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Superoxide dismutase 2 antibody (Cat#AGI1791, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-superoxide dismutase 2 antibody (Cat#AGI1791). Superoxide dismutase 2 expression in wild-type (WT) and superoxide dismutase 2 (SOD2) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-superoxide dismutase 2 antibody (Cat#AGI1791, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.