

**KD-Validated Anti-Superoxide Dismutase 2 Rabbit Monoclonal Antibody**  
**Rabbit monoclonal antibody**  
**Catalog # AGI1736****Specification****KD-Validated Anti-Superoxide Dismutase 2 Rabbit Monoclonal Antibody - Product Information**

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application       | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Primary Accession | <a href="#">P04179</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Reactivity        | Rat, Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Clonality         | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Isotype           | Rabbit IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Calculated MW     | Predicted, 25 kDa , o bserved , 25 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Name         | KDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Aliases           | SOD2<br>SOD2; Superoxide Dismutase 2; GCInc1;<br>MnSOD; IPOB; GC1; Superoxide Dismutase<br>[Mn], Mitochondrial; Superoxide Dismutase<br>2, Mitochondrial; EC 1.15.1.1; Epididymis<br>Secretory Sperm Binding Protein;<br>Manganese-Containing Superoxide<br>Dismutase; Gastric Cancer-Associated<br>LncRNA 1; Gastric Cancer-Associated<br>LncRNA 1; Manganese Superoxide<br>Dismutase; Mangano-Superoxide<br>Dismutase; Mn Superoxide Dismutase;<br>Indophenoloxidase B; Mn-SOD; IPO-B;<br>MVCD6 |
| Immunogen         | A synthesized peptide derived from human<br>SOD2                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**KD-Validated Anti-Superoxide Dismutase 2 Rabbit Monoclonal Antibody - Additional Information**

|                                                          |      |
|----------------------------------------------------------|------|
| Gene ID                                                  | 6648 |
| <b>Other Names</b>                                       |      |
| Superoxide dismutase [Mn], mitochondrial, 1.15.1.1, SOD2 |      |

**KD-Validated Anti-Superoxide Dismutase 2 Rabbit 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**

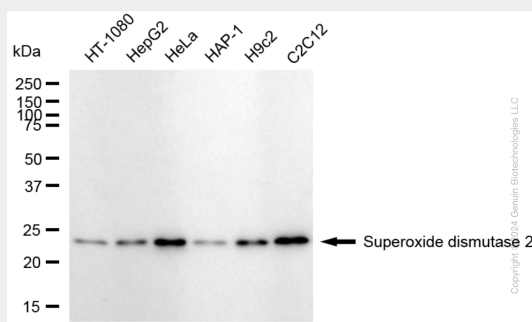
Mitochondrion matrix.

## KD-Validated Anti-Superoxide Dismutase 2 Rabbit Monoclonal Antibody - Protocols

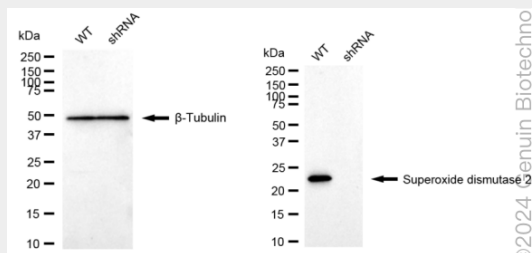
Provided below are standard protocols that you may find useful for product applications.

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

## KD-Validated Anti-Superoxide Dismutase 2 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Superoxide dismutase 2 antibody (Cat#AGI1736). 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#AGI1736, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Superoxide dismutase 2 antibody (Cat#AGI1736). Superoxide dismutase 2 expression in wild type (WT) and Superoxide dismutase 2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Superoxide dismutase 2 antibody (Cat#AGI1736, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.