

**SOD3 Antibody (clone 1H12)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS14802****Specification**

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**SOD3 Antibody (clone 1H12) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC                |
| Primary Accession | <a href="#">P08294</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Calculated MW     | 26kDa KDa              |

**SOD3 Antibody (clone 1H12) - Additional Information****Gene ID** 6649**Other Names**

Extracellular superoxide dismutase [Cu-Zn], EC-SOD, 1.15.1.1, SOD3

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

**Precautions**

SOD3 Antibody (clone 1H12) is for research use only and not for use in diagnostic or therapeutic procedures.

**SOD3 Antibody (clone 1H12) - Protein Information****Name** SOD3**Function**

Protect the extracellular space from toxic effect of reactive oxygen intermediates by converting superoxide radicals into hydrogen peroxide and oxygen.

**Cellular Location**

Secreted, extracellular space. Golgi apparatus, trans-Golgi network {ECO:0000250|UniProtKB:O09164}. Note=99% of EC-SOD is anchored to heparan sulfate proteoglycans in the tissue interstitium, and 1% is located in the vasculature in equilibrium between the plasma and the endothelium

**Tissue Location**

Expressed in blood vessels, heart, lung, kidney and placenta. Major SOD isoenzyme in extracellular fluids such as plasma, lymph and synovial fluid

**Volume**

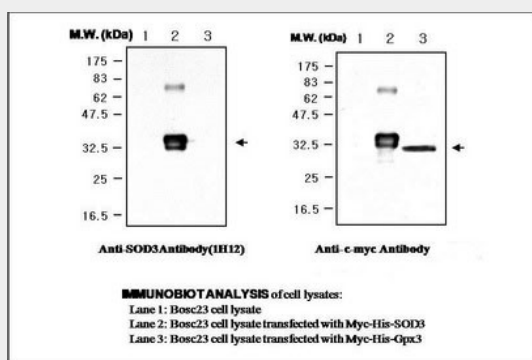
50 µl

## SOD3 Antibody (clone 1H12) - Protocols

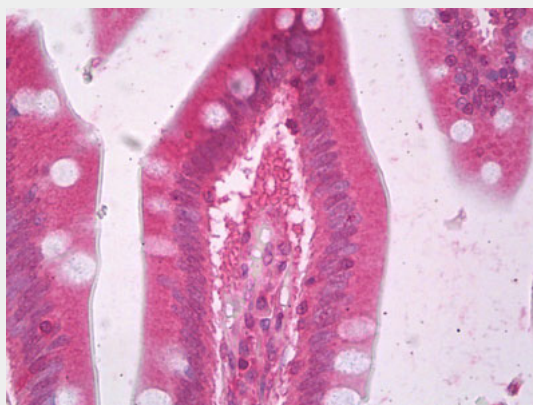
Provided below are standard protocols that you may find useful for product applications.

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

## SOD3 Antibody (clone 1H12) - Images



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Anti-SOD3 antibody IHC of human small intestine.

## SOD3 Antibody (clone 1H12) - Background

Protect the extracellular space from toxic effect of reactive oxygen intermediates by converting superoxide radicals into hydrogen peroxide and oxygen.

## SOD3 Antibody (clone 1H12) - References

Hjalmarsson K., et al. Proc. Natl. Acad. Sci. U.S.A. 84:6340-6344(1987).  
Folz R.J., et al. Genomics 22:162-171(1994).  
Halleck A., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.  
Adachi T., et al. Free Radic. Biol. Med. 13:205-210(1992).

Nozik-Grayck E., et al. Int. J. Biochem. Cell Biol. 37:2466-2471(2005).