

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

SOD3 Antibody (clone 1H12) - Product Information

Application	WB, IHC
Primary Accession	P08294
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

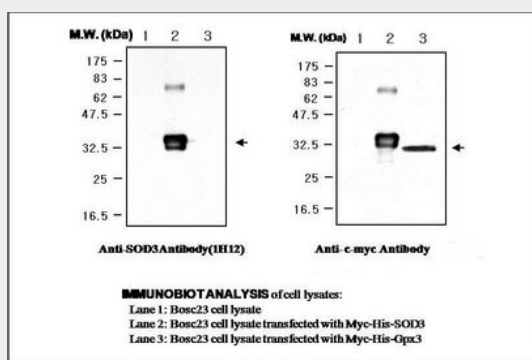
50 µl

SOD3 Antibody (clone 1H12) - Protocols

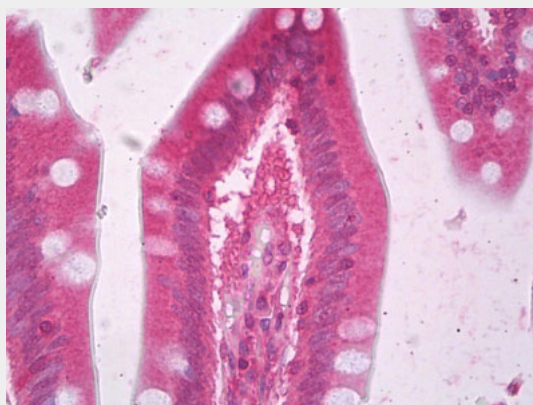
Provided below are standard protocols that you may find useful for product applications.

- [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).