

# Agrisera

This product is for research use only (not for diagnostic or therapeutic use)

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## Product no **AS09 540** **SOD1 aa 131-153 | superoxide dismutase 1, soluble**

### Product information

|                            |  |
|----------------------------|--|
| <b>Background</b>          | <b>SOD1 [Cu-Zn]</b> (EC=1.15.1.1) is a cytoplasm localized oxidoreductase which destroys radicals normally produced within the cells and toxic to biological systems. Alternative names: SOD, soluble, indophenoloxidase A, Cu/Zn superoxide dismutase, superoxide dismutase, cytosolic  |
| <b>Immunogen</b>           | <u>KLH</u> -conjugated synthetic peptide, amino acids 131-153 derived from human SOD1 protein sequence <u>P00441</u>   |
| <b>Host</b>                | Rabbit   |
| <b>Clonality</b>           | Polyclonal   |
| <b>Purity</b>              | Serum  |
| <b>Format</b>              | Lyophilized  |
| <b>Quantity</b>            | 50 µl  |
| <b>Reconstitution</b>      | For reconstitution add 50 µl of sterile water.   |
| <b>Storage</b>             | Store lyophilized/reconstituted at -20 °C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.   |
| <b>Tested applications</b> | Western blot (WB)  |
| <b>Related products</b>    | <a href="#">AS09 534</a>   Anty-SOD1 aa 03-20   superoxide dismutase 1, soluble, rabbit antibodies<br><a href="#">AS09 535</a>   Anty-SOD1 aa 24-39   superoxide dismutase 1, soluble, rabbit antibodies<br><a href="#">AS09 536</a>   Anty-SOD1 aa 43-57   superoxide dismutase 1, soluble, rabbit antibodies<br><a href="#">AS09 537</a>   Anty-SOD1 aa 58-72   superoxide dismutase 1, soluble, rabbit antibodies<br><a href="#">AS09 538</a>   Anty-SOD1 aa 80-96   superoxide dismutase 1, soluble, rabbit antibodies<br><a href="#">AS09 539</a>   Anty-SOD1 aa 100-115   superoxide dismutase 1, soluble, rabbit antibodies<br><a href="#">Secondary antibodies</a> |

### Application information

|                               |   |
|-------------------------------|---|
| <b>Recommended dilution</b>   | 1 : 75 000 (WB)   |
| <b>Expected   apparent MW</b> | 15.9 kDa  |
| <b>Confirmed reactivity</b>   | Human   |
| <b>Predicted reactivity</b>   | Atlantic Salmon, Bovine, Chimpanzee, Goat, Guinea Pig, Mouse, Pig, Rabbit, Rat, Schizosaccharomyces pombe, Sheep  |
| <b>Not reactive in</b>        | No confirmed exceptions from predicted reactivity are currently known.  |
| <b>Additional information</b> | Peptide used to elicit this antibody is not conserved in SOD2,3 and 4.<br>For high resolution images, please visit the specific product page at <a href="http://www.agrisera.com">www.agrisera.com</a>                                |
| <b>Selected references</b>    | <a href="#">Kiskinis et al. (2014)</a> . Pathways Disrupted in Human ALS Motor Neurons Identified through Genetic Correction of Mutant SOD1. Cell Stem Cell. 2014 Apr 2. pii: S1934-5909(14)00098-8. doi: 10.1016/j.stem.2014.03.004. |

For high resolution images, please visit the specific product page at [www.agrisera.com](http://www.agrisera.com)

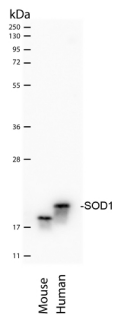
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## Application example



10  $\mu$ l of control mouse brain and a human spinal ventral horn were extracted in 25 volumes of PBS, diluted 1+1 in a sample buffer have been loaded per well and separated on 15% SDS-PAGE and blotted for 1h to PVDF. Blots were blocked immediately following transfer in 5% Dry milk for 1h at room temperature with agitation. Blots were incubated in the primary antibody at a dilution of 1: 75 000 (AS09 540) for 1h at room temperature with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed 5 times for 5 min in TBS-T at room temperature with agitation. Blots were incubated in secondary antibody (goat anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:42 000 for 1h at room temperature with agitation. The blots were washed as above and developed for 5 min with ECL detection reagent according to the manufacturers instructions. Images of the blots were obtained using a CCD imager. Exposure time was 30-600 seconds.