

## Rabbit polyclonal antibody to human mitochondrial Mn superoxide dismutase (SOD2; 25-43): whole serum

<b>Catalogue No.:</b>	R-1596-100
<b>Description:</b>	Superoxide dismutase [Mn], mitochondrial destroys superoxide anion radicals which are normally produced within the cells and which are toxic to biological systems (Ref: SwissProt).
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	A synthetic peptide (KHSLPDLPYDGALEPHINC) of human/rat/mouse mitochondrial manganese Superoxide Dismutase (SOD2), conjugated to Keyhole Limpet Hemocyanin.
<b>Other Names:</b>	Superoxide dismutase [Mn], mitochondrial;
<b>Accession:</b>	P04179 SODM_HUMAN;
<b>Produced in:</b>	Rabbit
<b>Applications:</b>	IF, WB. Typical working dilutions for light microscopy are 1:500 to 1:1,000 depending on tissue and detection method. For IF, a dilution range of 1:50 to 1:100 is recommended. For WB, a dilution range of 1: 1,000 to 1: 4,000 is recommended. This antibody clearly detects a protein at approximately 24 kDa on WB of human brain tissue. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Cross-reactivity:</b>	Human; mouse; rat;
<b>Form:</b>	Lyophilized serum with 0.02% thimerosal
<b>Reconstitution:</b>	Reconstitute in sterile distilled water. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.



Western Blot image of human brain tissue using Rabbit polyclonal antibody to human mitochondrial Mn superoxide dismutase (R-1596-100).

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