

Datasheet: VPA00802

Description:	RABBIT ANTI SUPEROXIDE DISMUTASE (Mn)
Specificity:	SUPEROXIDE DISMUTASE (Mn)
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Learn about [how we validate our PrecisionAb range](#). Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
Product Form	Purified IgG - liquid
Preparation	Rabbit polyclonal antibody purified by affinity chromatography on immunogen.
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 2% Sucrose
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml.

Immunogen	Synthetic peptide directed towards the N terminal region of human superoxide dismutase (Mn)
External Database Links	UniProt: P04179 Related reagents Entrez Gene: 6648 SOD2 Related reagents
Specificity	<p>Rabbit anti Human superoxide dismutase (Mn) recognizes superoxide dismutase (Mn), also known as superoxide dismutase 2, SOD2, Mn superoxide dismutase, indophenoloxidase B, manganese-containing superoxide dismutase or mangano-superoxide dismutase.</p> <p>This gene is a member of the iron/manganese superoxide dismutase family. It encodes a mitochondrial protein that forms a homotetramer and binds one manganese ion per subunit. This protein binds to the superoxide byproducts of oxidative phosphorylation and converts them to hydrogen peroxide and diatomic oxygen. Mutations in this gene have been associated with idiopathic cardiomyopathy (IDC), premature aging, sporadic motor neuron disease, and cancer. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been identified on chromosome 1 (provided by RefSeq, Apr 2016).</p> <p>Rabbit anti Human superoxide dismutase (Mn) detects a band at 22 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti superoxide dismutase (Mn) antibody recognizes a band of approximately 22 kDa in HepG2 cell lysates.
Storage	<p>This product is shipped at ambient temperature.</p> <p>Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p>
Guarantee	12 months from date of despatch.
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
Health And Safety Information	<p>Material Safety Datasheet documentation #10045 available at:</p> <p>https://www.bio-rad-antibodies.com/SDS/VPA00802</p>
Regulatory	For research purposes only.

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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