

AB-NN068-1

SOD (Mn) Antibody

Pan-specific polyclonal antibody for monitoring the expression of rat SOD (Mn)



KINEXUS

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Target Protein

Name Long:	Superoxide dismutase [Mn], mitochondrial
Alias:	Manganese SOD, IPO B, Mn SOD, SOD2
UniProt ID:	P07895 - Rat
Human Predicted Mass (KDa):	24.722 (222 AA; P04179-1); 20,696 (183 AA; P04179-2); 18.234 (162 AA; P04179-3); 19.730 (176 AA; P04179-4)
Observed SDS-PAGE Mass (KDa):	25

Immunogen

Antibody Immunogen Source:	Rat Mn SOD
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Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	182 Mix
Antibody Purification:	Affinity (antigen) purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB IHC ICC/IF IP ELISA
Antibody Dilution Recommended:	WB (1:5000), ICC/IF (1:120); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Rat Mouse Bovine Dog Chicken Drosophila Guinea Pig Pig Hamster Monkey Rabbit Sheep Xenopus Squirrel Ciona intestinalis (Sea squirt)
Antibody Positive Control:	0.5 µg/ml of SPC-117 was sufficient for detection of Mn SOD in 20 µg of rat brain tissue extract by colorimetric immunoblot analysis using Goat anti-rabbit IgG:AP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~25 kDa protein.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-888-546-3987