

# AB-NN068-2

## SOD (Mn) Antibody

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



# KINEXUS

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### Target Protein

<b>Name Long:</b>	Superoxide dismutase [Mn], mitochondrial
<b>Alias:</b>	Manganese SOD, IPO B, Mn SOD, SOD2
<b>UniProt ID:</b>	P04179 - Human
<b>Human Predicted Mass (kDa):</b>	24.722 (222 AA; P04179-1); 20.696 (183 AA; P04179-2); 18.234 (162 AA; P04179-3); 19.730 (176 AA; P04179-4)
<b>Observed SDS-PAGE Mass (kDa):</b>	25

### Immunogen

<b>Antibody Immunogen Source:</b>	Human Mn SOD
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### Production

<b>Antibody Host Species:</b>	Rabbit
<b>Antibody Type:</b>	Polyclonal
<b>Antibody Ig Isotype Clone Lot:</b>	181 Mix
<b>Antibody Purification:</b>	Affinity (antigen) purified
<b>Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1 mg/ml
<b>Lot Number:</b>	15DE1
<b>Storage Buffer:</b>	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
<b>Storage Conditions and Stability:</b>	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

<b>Product Use:</b>	WB   IHC   IP   ELISA
<b>Antibody Dilution Recommended:</b>	WB (1:5000); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Rat   Mouse   Bovine   Dog   Chicken   Gerbil   Guinea Pig   Pig   Hamster   Monkey   Rabbit   Sheep   Xenopus   Rana sylvatica (Frog)
<b>Antibody Positive Control:</b>	0.2 µg/ml of SPC-118 was sufficient for detection of Mn SOD in 20 µg of rat brain tissue extract by colorimetric immunoblot analysis using Goat anti-mouse IgG:AP as the secondary antibody.
<b>Target Detection Immunoblotting:</b>	Detects a ~25 kDa protein.
<b>Antibody Specificity:</b>	Very high

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

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