

AB-NN098-2

SOD (Cu/Zn) Antibody

Pan-specific polyclonal antibody for monitoring the expression of human SOD (Cu/Zn)



KINEXUS

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Target Protein

Name Long:	Superoxide dismutase [Cu-Zn]
Alias:	Superoxide dismutase1, ALS1, IPOA, SOD1, SOD2, SODC
UniProt ID:	P00441 - Human
Human Predicted Mass (KDa):	15.936 (154 AA; P00441-1)
Observed SDS-PAGE Mass (KDa):	23 (human) - 19 (other species)

Immunogen

Antibody Immunogen Source:	Human Cu/Zn SOD
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Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	180 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 pH7.0, 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 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 Monkey Coral Dog Hamster Pig Rabbit Sheep Xenopus Perna viridis (Mussel) O. melastigma (Fish)
Antibody Positive Control:	0.2 µg/ml of SPC-116 was sufficient for detection of Cu/Zn SOD in 20 µg of HeLa cell lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:AP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~23 kDa protein (human) and ~19 kDa protein (other species).
Antibody Specificity:	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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