

# Cu/Zn SOD polyclonal antibody

SOD (Superoxide dismutase) is responsible for the elimination of cytotoxic active oxygen by catalyzing the dismutation of the superoxide radical to oxygen and hydrogen peroxide. There are three SOD isoenzymes in mammalian cells, they are: EC SOD (extracellular SOD), Cu/Zn SOD (copper and zinc-containing SOD) and Mn SOD (manganese-containing SOD).

This antibody is covered by our [Worry-Free Guarantee](#).

Citations: 36

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## Ordering Information

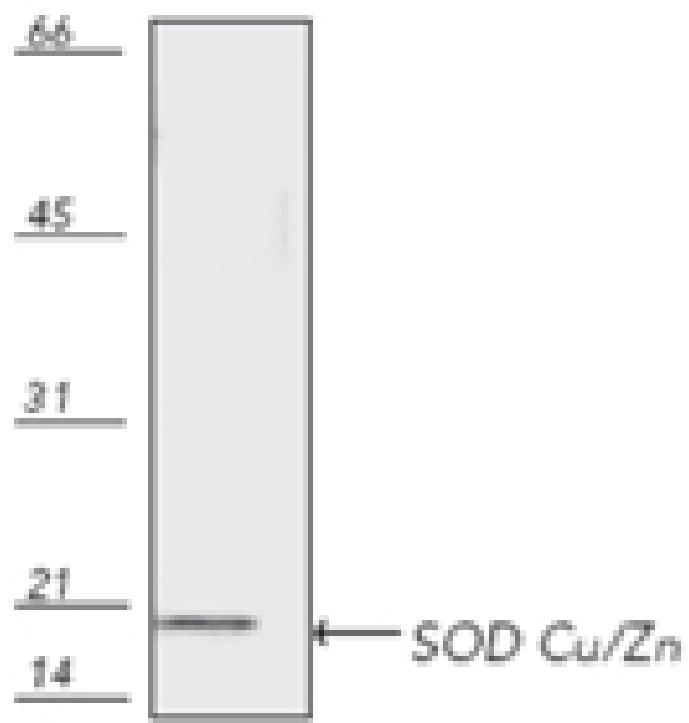
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ADI-SOD-101-E

100µg

## Manuals, SDS & CofA

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Western blot analysis: rat brain tissue extract, probed with Cu/Zn SOD pAb.

## Handling & Storage

**Handling** Avoid freeze/thaw cycles.

**Long Term Storage** -20°C

**Shipping** Blue Ice

## Regulatory Status

RUO - Research Use Only

## Product Details

**Alternative Name** Superoxide Dismutase (Cu-Zn), Superoxide dismutase 1, SOD1

**Application** WB

**Application Notes** Detects a band of ~23kDa (human) or ~19kDa (other species) by Western blot.

**Formulation** Liquid. In PBS, pH 7.2, containing 50% glycerol and 0.09% sodium azide.

**Gene/Protein Identifier** NP\_058746 (RefSeq)

**Host** Rabbit

**Immunogen** Native rat Cu/Zn SOD.

**Purity Detail** Protein A affinity purified.

**Recommendation Dilutions/Conditions** Western Blot (0.5µg/ml)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.

**Source** Purified from rabbit serum.

**Species Reactivity** Human, Mouse, Rat

**UniProt ID** P07632

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