

# Product Data Sheet

## Anti-SOD2 Antibody

Catalog #	Source	Reactivity	Applications
CPA9447	Rabbit	H, M, R	WB, IH
<b>Description</b>	Rabbit polyclonal antibody to SOD2		
<b>Immunogen</b>	Recombinant protein corresponding to human SOD2.		
<b>Purification</b>	The antibody was purified by immunogen affinity chromatography.		
<b>Specificity</b>	Recognizes endogenous levels of SOD2 protein.		
<b>Clonality</b>	Polyclonal		
<b>Conjugation</b>			
<b>Form</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
<b>Dilution</b>	WB (1/1000 - 1/2000), IH (1/200 - 1/500)		
<b>Gene Symbol</b>	SOD2		
<b>Alternative Names</b>	Superoxide dismutase [Mn] mitochondrial		
<b>Entrez Gene</b>	6648 (Human)		
<b>SwissProt</b>	P04179 (Human)		
<b>Storage/Stability</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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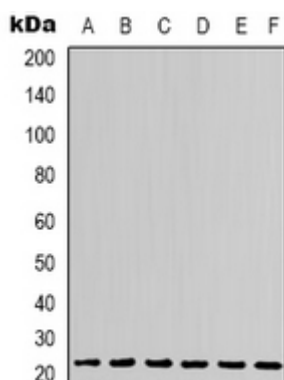
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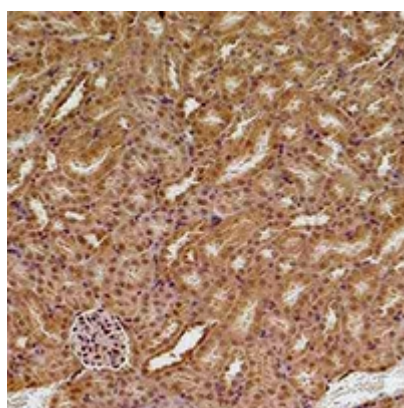
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Western blot analysis of SOD2 expression in 293T (A), HeLa (B), C2C12 (C), NIH3T3 (D), rat liver (E), rat brain (F) whole cell lysates. (Predicted band size: 24 kD; Observed band size: 22 kD)



Immunohistochemical analysis of SOD2 staining in mouse kidney formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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