

# SOD1 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to Human SOD1
Form	Liquid
Concentration	0.1 mg/mL
Purification	Anitgen affinity chromatography
Storage buffer	PBS, pH 7.2, with 40% glycerol
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2789100

Applications	Tested Dilution	Publications
Western Blot (WB)	0.04-0.4 µg/mL	-
Immunohistochemistry (IHC)	1:1,000-1:2,500	-
Immunocytochemistry (ICC/IF)	0.25-2 µg/mL	-

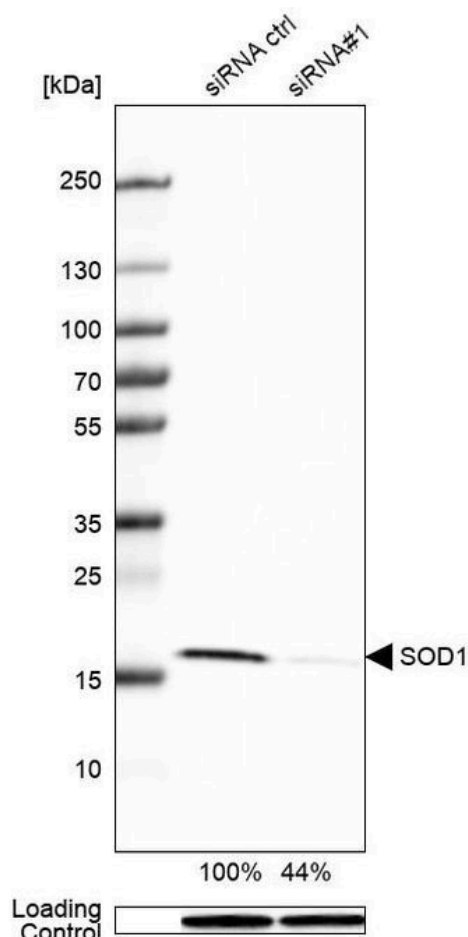
## Product Specific Information

Immunogen sequence: PVQGIINFEQ KESNGPVKVW GSIKGLTEGL HGFHVHEFGD NTAGCTSAGP HFNPLSRKHG GPKDEERHVG DLGNVTADKD GVADVSIEDS VISLSGDHCI IGRTLVVHEK ADDLGKGGNE ESTKTGNAGS RLACG

## Product Images For SOD1 Polyclonal Antibody

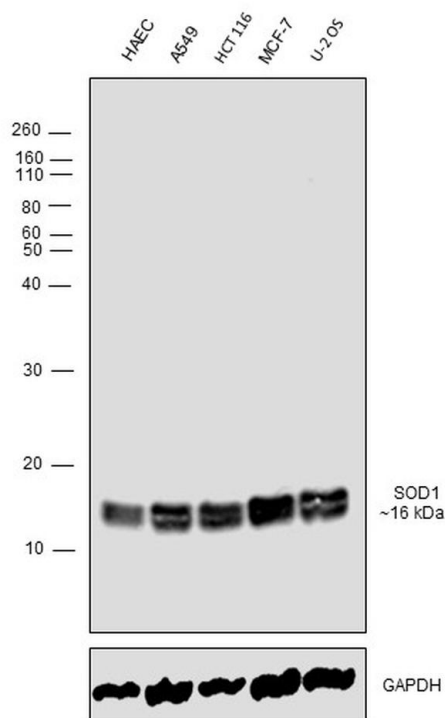
### SOD1 Antibody (PA5-81939)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. Hep-G2 cells were transfected with, control siRNA, SOD1 siRNA probe #1, and SOD1 siRNA probe #2 and a decrease in signal intensity was observed in Western Blot application using anti-SOD1 Polyclonal Antibody (Product # PA5-81939) used at a dilution of 0.4 µg/mL. Anti-SOD1 was used as a loading control. {KD}



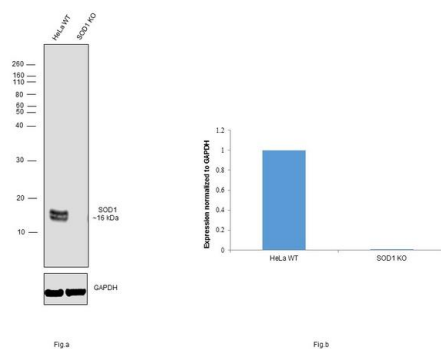
### SOD1 Antibody (PA5-81939) in WB

Western blot was performed using Anti-SOD1 Polyclonal Antibody, (Product # PA5-81939) and a ~16 kDa band corresponding to SOD1 was observed across the cell lines tested. Whole cell extracts (30 µg lysate) of HAEC (Lane 1), A549 (Lane 2), HCT 116 (Lane 3), MCF-7 (Lane 4) and U-2OS (Lane 5) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (0.4 µg/mL) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



## SOD1 Antibody (PA5-81939) in WB

Western blot analysis (Fig a) of SOD1 was performed on cell extracts (30 µg of lysate) of HeLa wild type (Lane 1) and SOD1 knockout (Lane 2). The blot was probed with the Anti-SOD1 Polyclonal Antibody (Product # PA5-81939, 0.4 µg/mL) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752)) using the iBright FL 1000 (Product # A32752). Loss of signal upon CRISPR mediated knockout (KO) confirms that antibody is specific to SOD1.



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