

# 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	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 (Paraffin) (IHC (P))	1:1000-1:2500	-
Immunocytochemistry (ICC/IF)	0.25-2 µg/mL	-

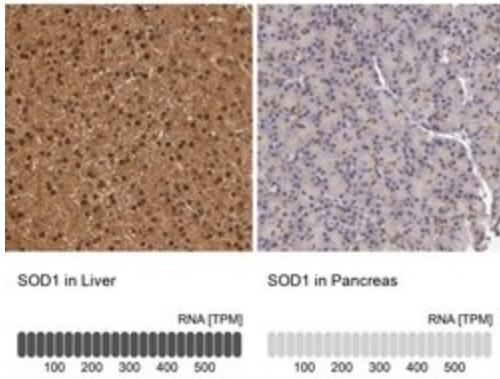
## Product Specific Information

Immunogen sequence: PVQGIINFEQ KESNGPVKVV GSIKGLTEGL HGFHVHEFGD NTAGCTSAGP HFNPLSRKHG  
GPKDEERHVG DLGNVTADKD GVADVSIEDS VISLSGDHCI IGRTLTVHEK ADDLGKGGNE ESTKTGNAGS RLACG

## Advanced Verification Data

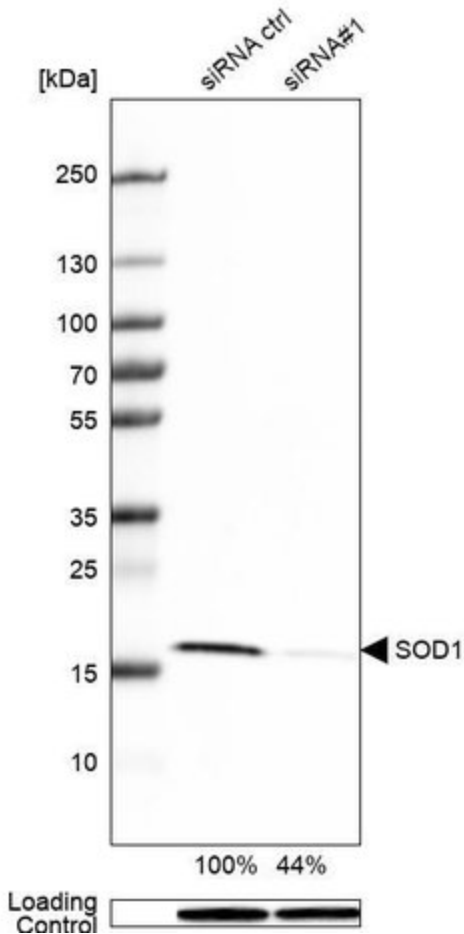
### SOD1 Antibody (PA5-81939)

Relative expression in different tissues in IHC: Detection of differential expression levels of SOD1 demonstrates antibody specificity. Immunohistochemical analysis of SOD1 using anti-SOD1 Polyclonal Antibody (Product #PA5-81939), shows significant staining of SOD1 in liver and shows minimal or weak staining in pancreas tissues. The relative expression levels of SOD1 within each tissue is shown using RNA-Seq. Relative expression validation info.



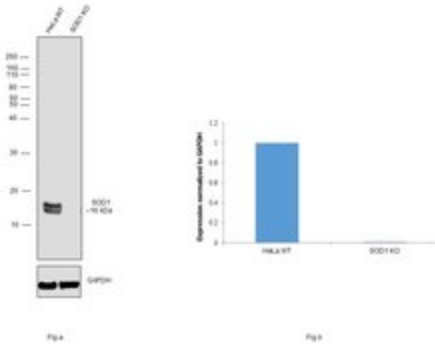
### SOD1 Antibody (PA5-81939)

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. Knockdown validation info.



## SOD1 Antibody (PA5-81939)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of SOD1. A loss of signal was observed for SOD1 in the KO cell line compared to control cell line using Anti- SOD1 Polyclonal Antibody (Product # PA5-81939).. Knockout validation info.



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