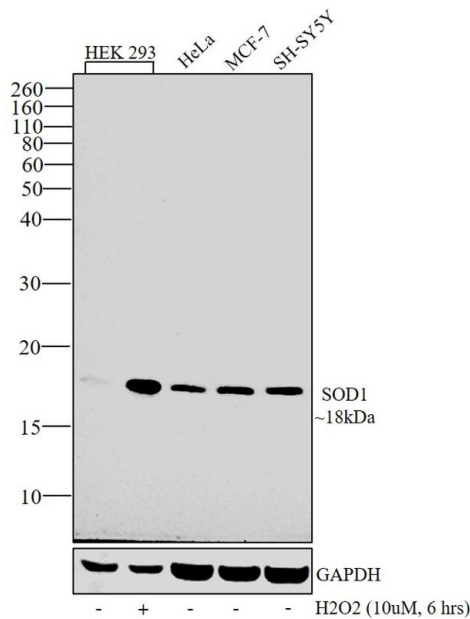


SOD1 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Bovine, Human, Mouse, Rat
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	superoxide dismutase enzyme from bovine erythrocytes
Form	Liquid
Concentration	1.0 mg/mL
Purification	Protein A
Storage buffer	PBS with 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2540770

Applications	Tested Dilution	Publications
Western Blot (WB)	0.025-0.1 µg/mL	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	5 µg/mL	-
ELISA (ELISA)	-	1 Publication

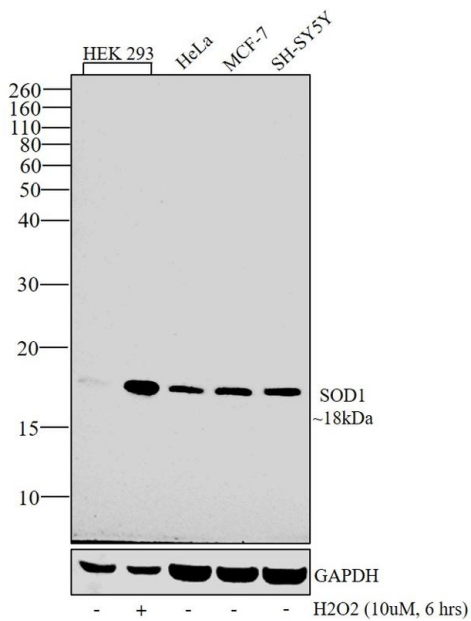
Product Images For SOD1 Polyclonal Antibody



SOD1 Antibody (PA5-23245) in WB
Western blot analysis was performed on whole cell extracts of HEK-293 (Lane 1), HEK-293 treated with H₂O₂ (10uM, 6hrs) (Lane 2), HeLa (Lane 3), MCF-7 (Lane 4), and SH-SY5Y (Lane 5). The blot was probed with SOD1 Polyclonal Antibody (Product # PA5-23245, 0.1µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). A 18kDa band corresponding to SOD1 was observed across the panel and was upregulated upon H₂O₂ treatment in HEK-293 cell lines.

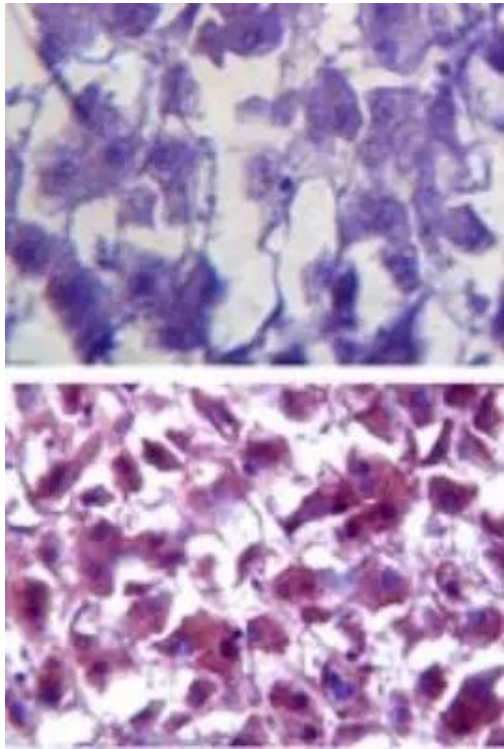
SOD1 Antibody (PA5-23245)

Altered expression of target protein upon cell treatment demonstrates antibody specificity. Western blot analysis of SOD1 using SOD1 Polyclonal Antibody (Product # PA5-23245) shows an increase in expression upon treatment with H₂O₂ in HEK-293 cells. {TM}



SOD1 Antibody (PA5-23245) in IHC (P)

Immunohistochemical analysis of SOD1 in formalin-fixed paraffin-embedded human liver tissue. Samples were incubated in SOD1 polyclonal antibody (Product # PA5-23245) using a dilution of 5 µg/mL. Isotype control (top) and this antibody (bottom).



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Western Blot (2)

<p>Aging</p> <p>Remifentanyl preconditioning protects against hypoxia-induced senescence and necroptosis in human cardiac myocytes <i>in vitro</i>.</p> <p>"Published figure using SOD1 polyclonal antibody (Product # PA5-23245) in Western Blot"</p> <p>Authors: Lewinska A,Adamczyk-Grochala J,Bloniarz D,Horeczy B,Zurek S,Kurowicki A,Woloszczuk-Gebicka B,Widenka K,Wnuk M</p>	<p>Year</p> <p>2020</p> <p>Species</p> <p>Human</p> <p>Dilution</p> <p>1:2500</p>
<p>Journal of cellular physiology</p> <p>Snake venoms promote stress-induced senescence in human fibroblasts.</p> <p>"PA5-23245 was used in Western Blotting to investigate snake-venom-induced adaptive response at a relatively noncytotoxic concentration (0.01 µg/ml) in two human fibroblast cell lines of different origin, namely WI-38 fetal lung fibroblasts and BJ foreskin fibroblasts."</p> <p>Authors: Lewinska A,Bocian A,Petrilla V,Adamczyk-Grochala J,Szymura K,Hendzel W,Kalenik E,Hus KK,Petrillova M, Wnuk M</p>	<p>Year</p> <p>2019</p> <p>Species</p> <p>Human</p> <p>Dilution</p> <p>1:1000</p>

ELISA (1)

<p>Medicine</p> <p>Obesity is a risk factor for preoperative hypoxemia in Stanford A acute aortic dissection.</p> <p>"PA5-23245 was used in an ELISA assay to investigate the roles of oxidative stress and inflammation in aortic lung dissection injuries within obesity using data collected from human patients."</p> <p>Authors: Wu Z,Wang Z,Wu H,Hu R,Ren W,Hu Z,Chang J</p>	<p>Year</p> <p>2020</p> <p>Species</p> <p>Human</p>
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