

Recombinant SOD2 Monoclonal Antibody

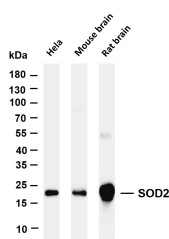
catalog number: **AN300260P**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

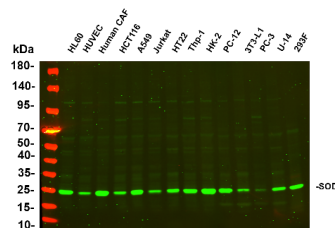
Description	
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human SOD2 protein
Host	Rabbit
Isotype	IgG
Clone	B178
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications	Recommended Dilution
IHC	1:200-1:1000
WB	1:1000-1:5000
IF	1:200-1:1000
ELISA	1:5000-1:20000

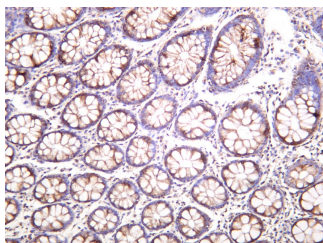
Data	
------	--



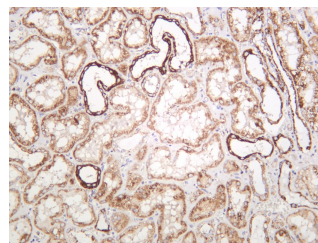
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-SOD2 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Hela Lane 2: Mouse brain Lane 3: Rat brain Predicted band size: 25kDa Observed band size: 22kDa



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C over night with a 1:2500 dilution. The Dylight 800-conjugated Goat anti-Rabbit antibody was used to detect the antibody. Lane1: HL60 cell Lane2: HUVEC cell Lane3: Human CAF Lane4: HCT116 Lane5: A549 Lane6: Jurkat Lane7: HT22 Lane8: THP-1 Lane9: HK-2 Lane10: PC-12 Lane11: 3T3-L1 Lane12: PC-3 Lane13: U-14 Lane14: 293F Predicted band size: 22kDa Observed band size: 25kDa



Human colon was stained with anti-SOD2 rabbit antibody



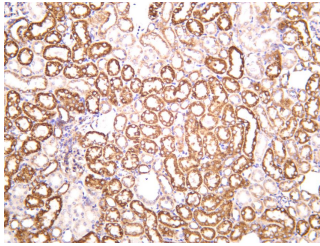
Human kidney was stained with anti-SOD2 rabbit antibody

For Research Use Only

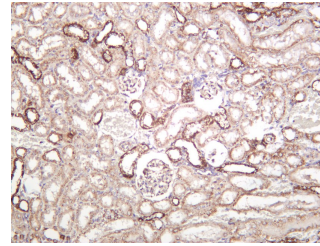
Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017



Mouse kidney was stained with anti-SOD2 rabbit antibody



Rat kidney was stained with anti-SOD2 rabbit antibody

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

This gene is a member of the iron/manganese superoxide dismutase family. It encodes a mitochondrial protein that forms a homotetramer and binds one manganese ion per subunit. This protein binds to the superoxide byproducts of oxidative phosphorylation and converts them to hydrogen peroxide and diatomic oxygen. Mutations in this gene have been associated with idiopathic cardiomyopathy (IDC), premature aging, sporadic motor neuron disease, and cancer. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been identified on chromosome 1. [provided by RefSeq, Apr 2016]

For Research Use Only