

## SOD2 Rabbit mAb (AR1150)

### Key Features

Host Species:	Rabbit
Reactivity:	Human,Mouse,Rat
Applications:	WB,IHC,IF,ELISA
Isotype:	IgG,Kappa
MW:	25kD (Calculated) 22kD (Observed)

### Recommended Dilution Ratios

IHC:	1:200-1000
WB:	1:1000-5000
IF:	1:200-1000
ELISA:	1:5000-20000

Storage	-15°C to -25°C/1 year (Do not lower than -25°C)
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### Basic Information

Clonality	Monoclonal
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### Immunogen Information

Specificity	Endogenous
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### Target Information

Gene name	SOD2
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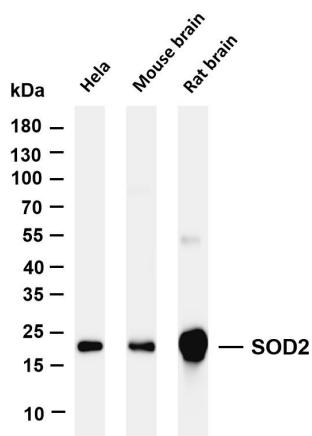
Protein Name	Superoxide dismutase [Mn] mitochondrial
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Organism	Gene ID	UniProt ID
Human	6648	P04179
Mouse	20656	P09671
Rat	24787	P07895

Cellular Localization	Mitochondrion matrix
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Tissue specificity	Brain, Colon, Heart, Liver, Lung, Mammary carcinoma, Tongue
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## Validation 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.

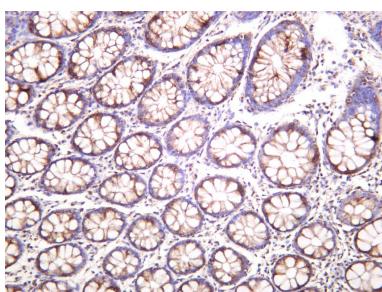
Lane 1: Hela

Lane 2: Mouse brain

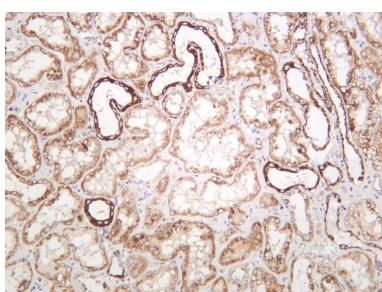
Lane 3: Rat brain

Predicted band size: 25kDa

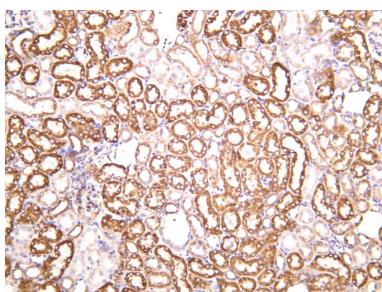
Observed band size: 22kDa



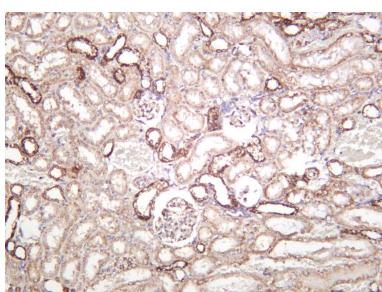
Human colon was stained with anti-SOD2 rabbit antibody



Human kidney was stained with anti-SOD2 rabbit antibody



Mouse kidney was stained with anti-SOD2 rabbit antibody



Rat kidney was stained with anti-SOD2 rabbit antibody