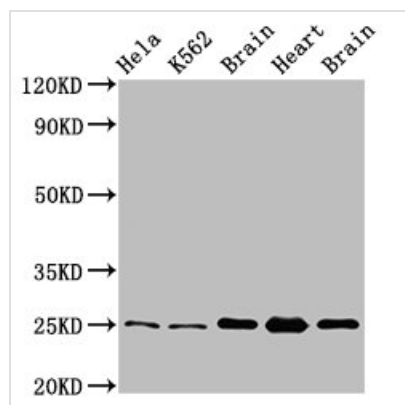




# SOD2 Antibody

<b>Product Code</b>	CSB-PA022398LA01HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P04179
<b>Immunogen</b>	Recombinant Human Superoxide dismutase [Mn], mitochondrial protein (64-175AA)
<b>Raised In</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Tested Applications</b>	ELISA, WB, IHC, IF, IP; Recommended dilution: WB:1:500-1:5000, IHC:1:500-1:1000, IF:1:200-1:500, IP:1:200-1:2000
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
<b>Purification Method</b>	>95%, Protein G purified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Alias</b>	Superoxide dismutase [Mn], mitochondrial (EC 1.15.1.1), SOD2
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Cell Biology
<b>Target Names</b>	SOD2

## Image



### Western Blot

Positive WB detected in: HeLa whole cell lysate, K562 whole cell lysate, Rat brain tissue, Rat heart tissue, Mouse brain tissue

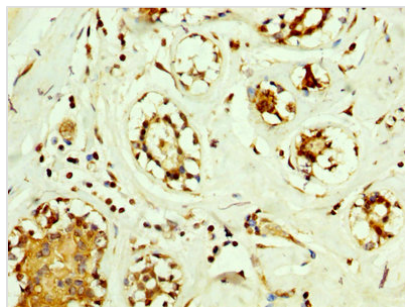
All lanes: SOD2 antibody at 3.4µg/ml

Secondary

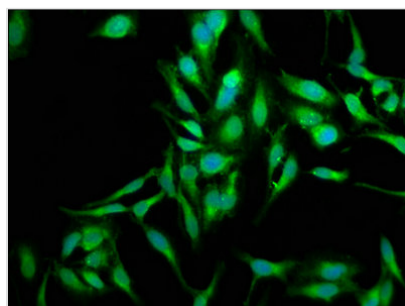
Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 25, 21, 19, 20 kDa

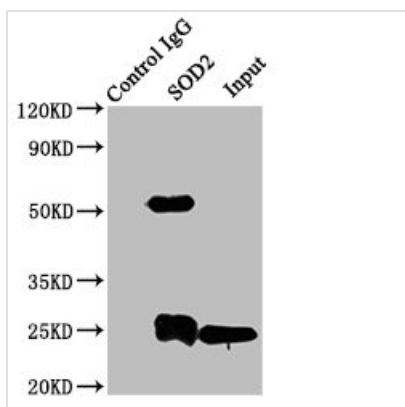
Observed band size: 25 kDa



IHC image of CSB-PA022398LA01HU diluted at 1:560 and staining in paraffin-embedded human breast cancer performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence staining of HeLa cells with CSB-PA022398LA01HU at 1:250, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunoprecipitating SOD2 in K562 whole cell lysate  
 Lane 1: Rabbit control IgG instead of CSB-PA022398LA01HU in K562 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)  
 Lane 2: CSB-PA022398LA01HU (8μg) + K562 whole cell lysate (500μg)  
 Lane 3: K562 whole cell lysate (10μg)