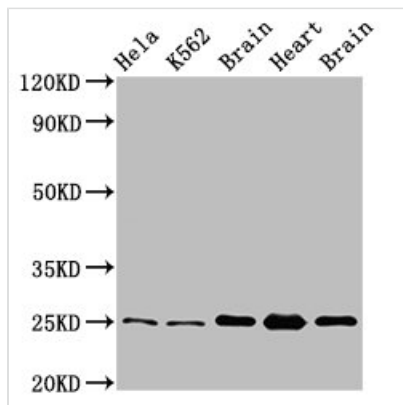


# SOD2 Antibody

|                            |                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <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>Relevance</b>           | Destroys superoxide anion radicals which are normally produced within the cells and which are toxic to biological systems. |
| <b>Form</b>                | Liquid                                                                                                                     |
| <b>Conjugate</b>           | Non-conjugated                                                                                                             |
| <b>Storage Buffer</b>      | Preservative: 0.03% Proclin 300<br>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>Species</b>             | 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

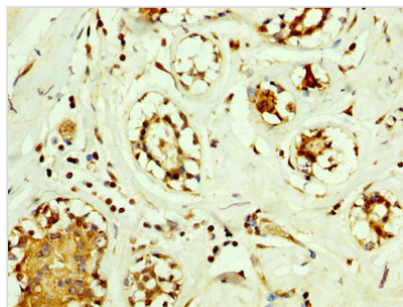
All lanes: SOD2 antibody at 3.4µg/ml

### Secondary

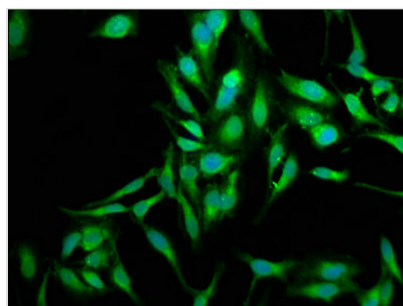
Goat polyclonal to rabbit IgG at 1/50000 dilution

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

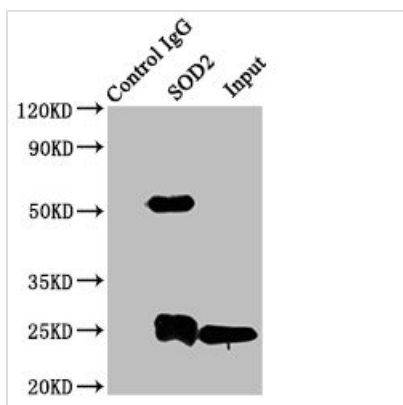
Observed band size: 25 kDa



IHC image of CSB-PA022398LA01HU diluted at 1:560 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ 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)