# PRDX3 Monoclonal Antibody

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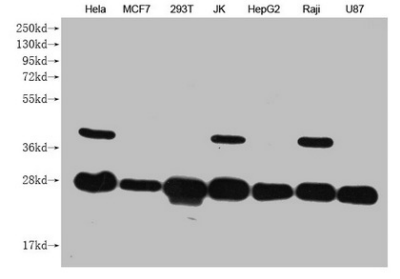
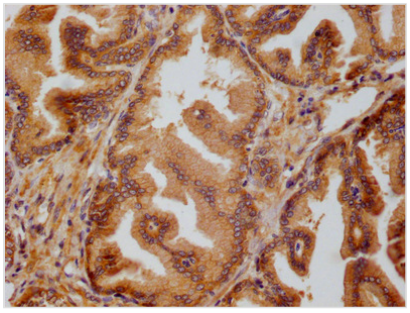
| **Product Code** | CSB-MA018656A0m |
| **Storage** | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| **Uniprot No.** | P30048 |
| **Immunogen** | Recombinant Human Thioredoxin-dependent peroxide reductase, mitochondrial protein (63-256AA) |
| **Raised In** | Mouse |
| **Species Reactivity** | Human |
| **Specificity** | No significant cross-reactivity or interference was observed |
| **Tested Applications** | ELISA, WB, IHC, IF, FC; Recommended dilution: WB?1:1000-1:5000, IHC:1:50-1:200, IF:1:50-1:200, FC:1:50-1:200 |
| **Form** | Liquid |
| **Conjugate** | Non-conjugated |
| **Storage Buffer** | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, PH 7.4 |
| **Purification Method** | >95%, Protein G purified |
| **Isotype** | IgG2b |
| **Clonality** | Monoclonal |
| **Product Type** | Monoclonal Antibody |
| **Immunogen Species** | Homo sapiens (Human) |
| **Gene Names** | PRDX3 |
| **Clone No.** | 12A10C12 |

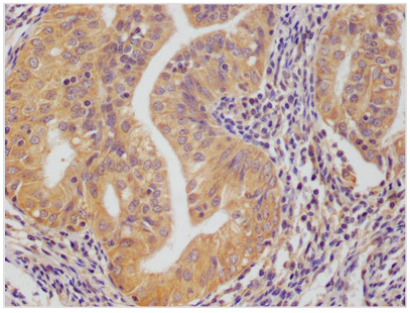
**Image**



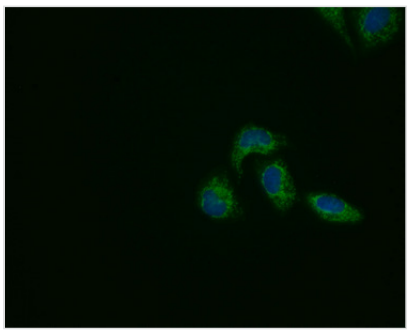

Western Blot
Positive WB detected in: Hela whole cell lysate, MCF7 whole cell lysate, 293T whole cell lysate, JK whole cell lysate, HepG2 whole cell lysate, Raji whole cell lysate, U87 whole cell lysate
All lanes: PRDX3 antibody at 1:1000
Secondary
Goat polyclonal to mouse IgG at 1/50000 dilution
Predicted band size: 28 kDa
Observed band size: 28 KDa
Exposure time?5min



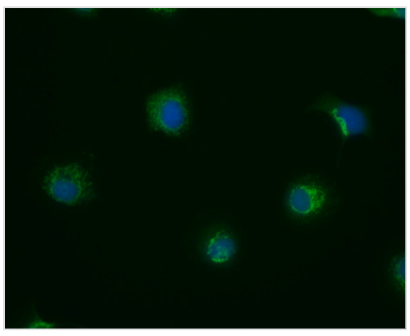
IHC image of CSB-MA018656A0m diluted at 1:50 and staining in paraffin-embedded human prostate tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at 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.



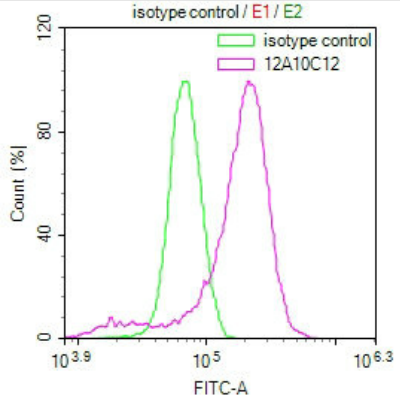
IHC image of CSB-MA018656A0m diluted at 1:50 and staining in paraffin-embedded human endometrial cance tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 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-MA018656A0m?at 1:50, 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. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



Immunofluorescence staining of MCF7 cells with?CSB-MA018656A0m?at 1:50, 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. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).




Overlay Peak curve showing Hela cells stained with CSB-MA018656A0m (red line) at 1:50. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*106cells) for 1h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1µg/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.