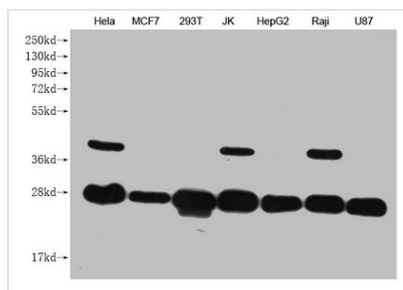




# PRDX3 Monoclonal Antibody

<b>Product Code</b>	CSB-MA018656A0m
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P30048
<b>Immunogen</b>	Recombinant Human Thioredoxin-dependent peroxide reductase, mitochondrial protein (63-256AA)
<b>Raised In</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Specificity</b>	No significant cross-reactivity or interference was observed
<b>Tested Applications</b>	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
<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>	IgG2b
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Monoclonal Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Target Names</b>	PRDX3
<b>Clone No.</b>	12A10C12

## Image

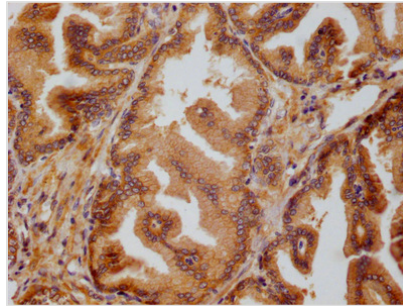


### Western Blot

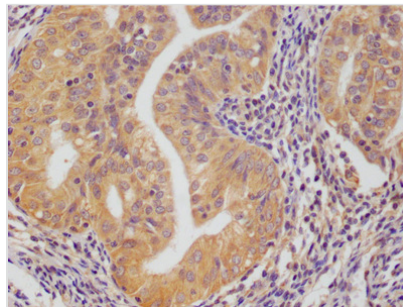
Positive WB detected in: HeLa whole cell lysate, MCF7 whole cell lysate, 293T whole cell lysate, JK whole cell lysate, HepG2 whole cell lysate, Raji whole cell lysate, U87 whole cell lysate  
All lanes: PRDX3 antibody at 1:1000

### Secondary

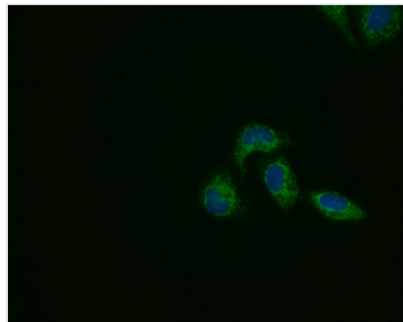
Goat polyclonal to mouse IgG at 1/50000 dilution  
Predicted band size: 28 kDa  
Observed band size: 28 KDa  
Exposure time?5min



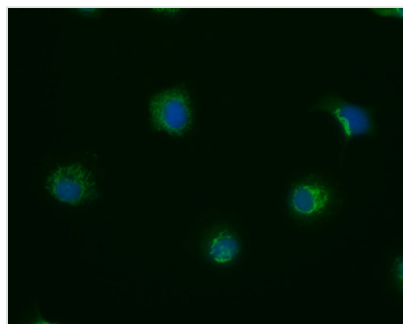
IHC image of CSB-MA018656A0m diluted at 1:50 and staining in paraffin-embedded human prostate tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT.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



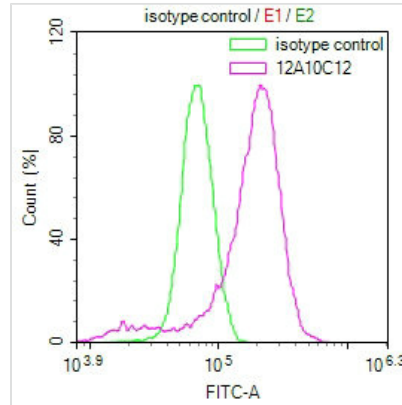
IHC image of CSB-MA018656A0m diluted at 1:50 and staining in paraffin-embedded human endometrial cancer tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 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-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 ( $1\mu\text{g}/1 \times 10^6$  cells) for 1h at  $4^\circ\text{C}$ . The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at  $4^\circ\text{C}$ . Isotype control antibody (green line) was mouse IgG1 ( $1\mu\text{g}/1 \times 10^6$  cells) used under the same conditions. Acquisition of  $>10,000$  events was performed.

## Usage

For Research Use Only. Not for use in diagnostic or therapeutic procedures.