

[Primary Antibody]

Peroxisredoxin 3 Recombinant Rabbit mAb



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ANTIBODIES

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— DATASHEET

Host: Rabbit

Clonality: Recombinant

GeneID: 10935

Target: Peroxiredoxin 3

Isotype: IgG

CloneNo.: 17A17

SWISS: P30048

Immunogen: A synthesized peptide derived from human PRDX3: 200-256/256.

Purification: affinity purified by Protein A

Storage: 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.

Background: Involved in redox regulation of the cell. Protects radical-sensitive enzymes from oxidative damage by a radical-generating system. Acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol.

Applications: WB (1:1000-2000)

IHC-P (1:100-500)

IHC-F (1:100-500)

IF (1:100-500)

Flow-Cyt (1ug/Test)

ICC/IF (1:50-200)

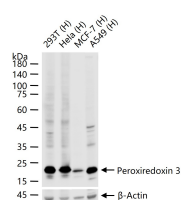
IP (1:20-50)

Reactivity: Human

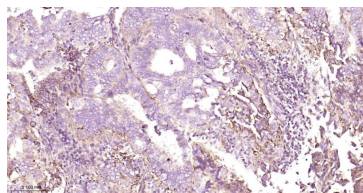
Predicted ²⁸
MW.:

Subcellular Location: Cytoplasm

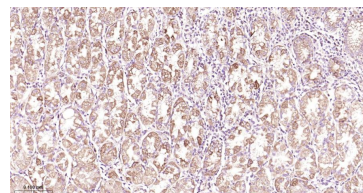
— VALIDATION IMAGES



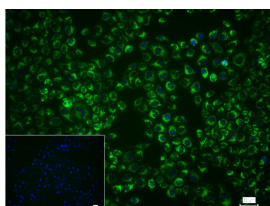
25 ug total protein per lane of various lysates (see on figure) probed with Peroxiredoxin 3 monoclonal antibody, unconjugated (bsm-61582R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



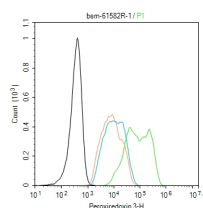
Paraformaldehyde-fixed, paraffin embedded Human Endometrial Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Peroxiredoxin 3 Monoclonal Antibody, Unconjugated(bsm-61582R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded
Human Stomach; Antigen retrieval by boiling in
sodium citrate buffer (pH6.0) for 15 min;
Antibody incubation with Peroxiredoxin 3
Monoclonal Antibody,
Unconjugated(bsm-61582R) at 1:200 overnight
at 4°C, followed by conjugation to the bs-0295G-
HRP and DAB (C-0010) staining.



4% Paraformaldehyde-fixed Hela (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Peroxiredoxin 3) monoclonal Antibody, unconjugated (bsm-61582R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-40295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



The Hela (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r.t.). Primary Antibody (green): Rabbit Anti-Peroxiredoxin 3 antibody (bsm-61582R): 1 µg/10⁶ cells; Secondary Antibody (white blue): Goat anti-Rabbit IgG-FITC (bs-04295G-FITC): 1 µg/test. Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.