

Anti-Peroxiredoxin-6 Antibody (60984)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 25 kDa. Actual: 25 kDa.
Clone:	60984
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. The A431 (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-6 antibody (TMAB-10205, 1: 100); Isotype Control (orange): Rabbit IgG. Blank control (black): PBS. Acquisition of 20,000 events was performed.</p> <p>2. 4% Paraformaldehyde-fixed A431 (H) cell; Triton X-100 at r. T. for 20 min; Antibody incubation with (Peroxiredoxin-6) monoclonal Antibody, unconjugated (TMAB-10205) 1: 100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, FITC) at 37°C for 90 min, DAPI (blue) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.</p> <p>3. 25 ug total protein per lane of various lysates (see on figure) probed with Peroxiredoxin-6 monoclonal antibody, unconjugated (TMAB-10205) at 1:500 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.</p>
Application:	WB,ICC/IF,IP,FCM
Recommended	WB: 1:500-2000; ICC/IF: 1:50-200; IP: 1:20-50; FCM: 1:50-100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized peptide: human PRDX6
Antigen Species:	Human
Gene ID:	9588
Uniprot ID:	P30041

Research Background

Involved in redox regulation of the cell. Can reduce H₂O₂ and short chain organic, fatty acid, and phospholipid hydroperoxides. May play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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