

Anti-Peroxiredoxin 1 Antibody (6N118)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 22 kDa. Actual: 23 kDa.
Clone:	6N118
Purification:	Protein G purified

Applications

Verified Activity:	<p>1. Sample:</p> <p>Lane 1: Mouse Spleen tissue lysates Lane 2: Mouse Liver tissue lysates Lane 3: Mouse Cerebrum tissue lysates Lane 4: Rat Spleen tissue lysates Lane 5: Rat Cerebrum tissue lysates Lane 6: Human Jurkat cell lysates Lane 7: Human Raji cell lysates Lane 8: Human MCF-7 cell lysates Lane 9: Human A431 cell lysates Lane 10: Human Hela cell lysates</p> <p>Primary: Anti-Peroxiredoxin 1 (TMAB-10195) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 22 kD Observed band size: 23 kD</p> <p>2. Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Peroxiredoxin 1) Monoclonal Antibody, Unconjugated (ascites of TMAB-10195 10F9) at 1: 2000 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.</p> <p>3. Blank control (black line): Hela. Primary Antibody (green line): Mouse Anti-Peroxiredoxin 1 antibody (TMAB-10195) Dilution:0.5 µg/Test; Secondary Antibody (white blue line): Goat anti-mouse IgG-FITC Dilution: 0.5 µg/Test. Isotype control (orange line): Normal Mouse IgG</p> <p>Protocol The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.</p>
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Application: WB,IHC-P,IHC-Fr,IF,FCM

Recommended WB: 1:500-1000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 0.5µg/Test

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: Recombinant Protein: human Peroxiredoxin 1 Protein

Antigen Species: Human

Gene ID: 5052

Uniprot ID: Q06830

Research Background

This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. Four transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jan 2011].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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