

Anti-Peroxiredoxin 1 Antibody (5C204)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse
Molecular Weight:	Theoretical: 22 kDa. Actual: 22 kDa.
Clone:	5C204
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (mouse liver); 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) Polyclonal Antibody, Unconjugated (TMAB-10197) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

2. Sample:

Verified Activity:	HepG2 (Human) Cell Lysate at 30 µg A549 (Human) Cell Lysate at 30 µg U2Os (Human) Cell Lysate at 30 µg Cerebrum (Mouse) Lysate at 40 µg Primary: Anti-Peroxiredoxin 1 (TMAB-10197) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 22 kD Observed band size: 22 kD
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Application: WB,IHC-P,IHC-Fr,IF

Recommended WB: 1:500-2000; IHC-P: 1:200-1000; IHC-Fr: 1:200-1000; IF: 1:200-1000

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, full length
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

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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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