

Anti-Peroxiredoxin 3 Polyclonal Antibody

Product Details

| | |
|-------------------|--|
| Ig Type: | IgG |
| Reactivity: | Human,Mouse,Rat (predicted:Dog,Horse,Rabbit) |
| Molecular Weight: | Theoretical: 21 kDa. Actual: 25 kDa. |
| Purification: | Protein A purified |

Applications

1. 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 3) Polyclonal Antibody, Unconjugated (TMAB-10198) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

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 3) Polyclonal Antibody, Unconjugated (TMAB-10198) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

3. Sample:

| | |
|--------------------|--|
| Verified Activity: | Lane 1: Mouse Kidney tissue lysates |
| | Lane 2: Mouse Liver tissue lysates |
| | Lane 3: Mouse Lung tissue lysates |
| | Lane 4: Rat Liver tissue lysates |
| | Lane 5: Rat Lung tissue lysates |
| | Lane 6: Rat Stomach tissue lysates |
| | Lane 7: Human 293T cell lysates |
| | Lane 8: Human A431 cell lysates |
| | Lane 9: Human HepG2 cell lysates |
| | Lane 10: Human HeLa cell lysates |
| | Lane 11: Human A549 cell lysates |
| | Primary: Anti-Peroxiredoxin 3 (TMAB-10198) at 1/1000 dilution |
| | Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution |
| | Predicted band size: 21 kDa |
| | Observed band size: 25 kDa |

Application: WB,IHC-P,IHC-Fr,IF

A DRUG SCREENING EXPERT

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

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: KLH conjugated synthetic peptide: human PRDX3

Antigen Species: Human

Gene ID: 10935

Uniprot ID: P30048

Research Background

The Peroxiredoxin (Prdx, Prx, or Trx-Px) family of enzymes is a recently identified family of peroxidases found in free-living organisms. The six known isoforms (Prx1-6) play an important role in protecting lipids, enzymes and DNA against peroxides, such as hydrogen peroxide. The ubiquitously expressed peroxiredoxins have also been shown to play a role in apoptosis and cell differentiation. This is accomplished by the active cysteine of Prx reducing peroxides, which is then converted into a transient cysteine sulfenic acid or cysteine sulfinic acid. If Prx protection is inadequate against peroxidases, the resulting protein and DNA damage may result in neurological disease such as Alzheimer's or DNA damage leading to cancer.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481
