

Anti-GPX4 Antibody (1B328)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 22 kDa. Actual: 20 kDa.
Clone:	1B328
Purification:	Protein A purified

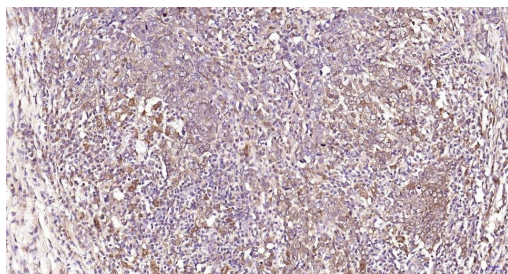
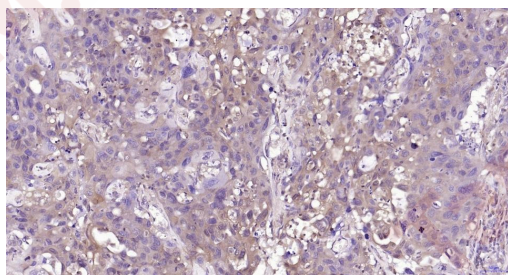
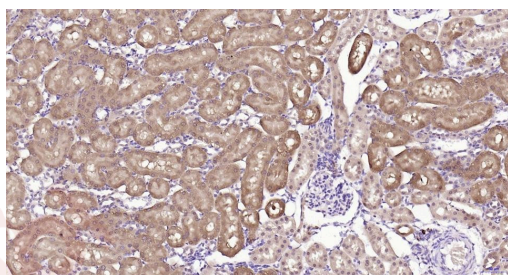
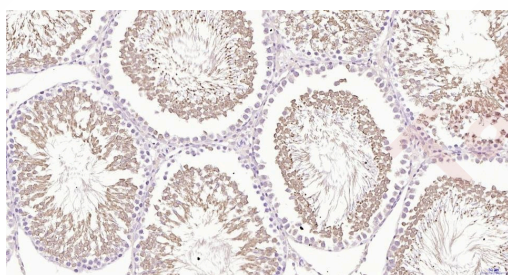
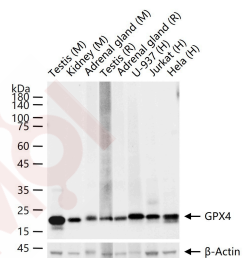
Applications

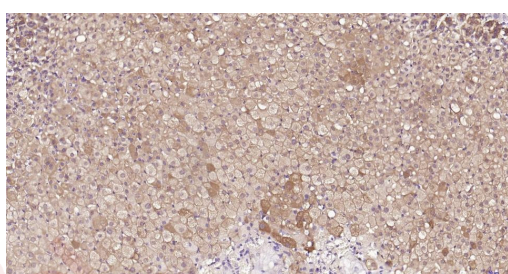
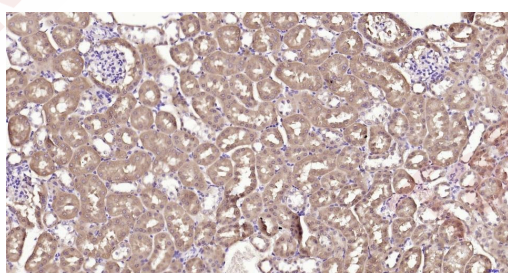
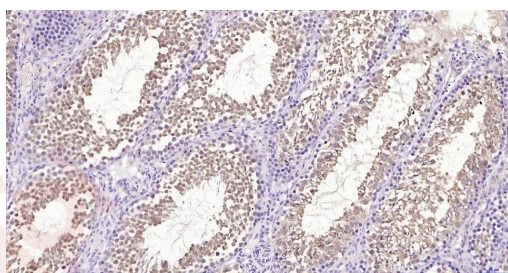
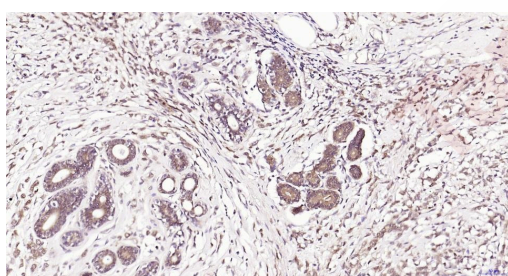
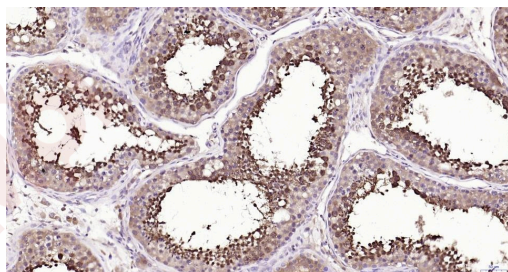
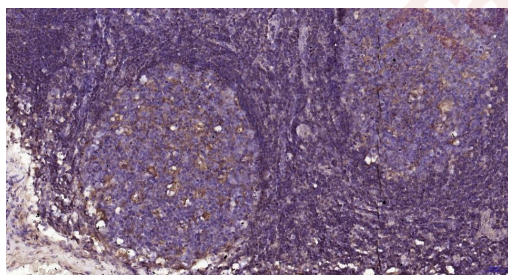
Verified Activity:

1. 25 µg total protein per Lane of various lysates probed with GPX4 monoclonal antibody, unconjugated (TMAB-00807) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at RT for 60 min.
2. Paraformaldehyde-fixed, paraffin embedded Rat testis; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GPX4 Monoclonal Antibody, Unconjugated (TMAB-00807) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded Rat kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GPX4 Monoclonal Antibody, Unconjugated (TMAB-00807) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded Human lung cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GPX4 Monoclonal Antibody, Unconjugated (TMAB-00807) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded Human Thyroid cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GPX4 Monoclonal Antibody, Unconjugated (TMAB-00807) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
6. Paraformaldehyde-fixed, paraffin embedded Human tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GPX4 Monoclonal Antibody, Unconjugated (TMAB-00807) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
7. Paraformaldehyde-fixed, paraffin embedded Human testis; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GPX4 Monoclonal Antibody, Unconjugated (TMAB-00807) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
8. Paraformaldehyde-fixed, paraffin embedded Human Breast cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GPX4 Monoclonal Antibody, Unconjugated (TMAB-00807) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
9. Paraformaldehyde-fixed, paraffin embedded Mouse testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GPX4 Monoclonal Antibody, Unconjugated (TMAB-00807) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
10. Paraformaldehyde-fixed, paraffin embedded Mouse kidney; Antigen retrieval by boiling in

sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GPX4 Monoclonal Antibody, Unconjugated (TMAB-00807) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

11. Paraformaldehyde-fixed, paraffin embedded Mouse adrenal gland; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GPX4 Monoclonal Antibody, Unconjugated (TMAB-00807) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.





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

Recommended WB=1:1000-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-200,IF=1:100-500

A DRUG SCREENING EXPERT

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 GPX4

Antigen Species: Human

Gene ID: 2879

Uniprot ID: P36969

Synonyms: GLUR4C; NEDSGA; GluA4; PHGPx; GLURD; GPx-4; snGPx; snPHGPx; MCSP; GLUR4; GSHPx-4

Biology Area: Cellular metabolic process, Mitochondrial markers, Antioxidants, Cancer, Mitochondrial

Research Background

Protects cells against membrane lipid peroxidation and cell death. Required for normal sperm development and male fertility. Could play a major role in protecting mammals from the toxicity of ingested lipid hydroperoxides. Essential for embryonic development. Protects from radiation and oxidative damage.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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