

## Anti-GPX2 Antibody (5N152)

### Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 22 kDa. Actual: 23 kDa.
Clone:	5N152
Purification:	Protein A purified

### Applications

Verified Activity:	25 µg total protein per lane of various lysates (see on figure) probed with GPX2 monoclonal antibody, unconjugated (TMAB-06744) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
Application:	WB
Recommended	WB: 1:500-2000

### 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 Glutathione peroxidase 2
Antigen Species:	Human
Gene ID:	2877
Uniprot ID:	P18283

### Research Background

Catalyzes the reduction of hydroperoxides in a glutathione-dependent manner thus regulating cellular redox homeostasis. Can reduce small soluble hydroperoxides such as H<sub>2</sub>O<sub>2</sub>, cumene hydroperoxide and tert-butyl hydroperoxide, as well as several fatty acid-derived hydroperoxides. Cannot reduce phosphatidylcholine hydroperoxide.

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