

## Anti-GPX1 Antibody (5Q659)

## Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat)
Molecular Weight:	Theoretical: 22 kDa. Actual: 22 kDa.
Clone:	5Q659
Purification:	Protein A purified

## Applications

Sample:	Lane 1: Human THP-1 cell lysates Lane 2: Human HepG2 cell lysates
Verified Activity:	Primary: Anti-GPX1 (TMAB-06742) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 22 kDa Observed band size: 22 kDa
Application:	WB,IP
Recommended	WB=1:500-2000,IP=1:20-100

## 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 Glutathione Peroxidase 1
Antigen Species:	Human
Gene ID:	2876
Uniprot ID:	P07203

## Research Background

This gene product belongs to the family of glutathione peroxidase, which functions in the detoxification of hydrogen peroxide. It contains a selenocysteine (Sec) residue at its active site. The selenocysteine is encoded by the UGA codon, which normally signals translation termination. The 3' UTR of Sec-containing genes have a common stem-loop structure, the sec insertion sequence (SECIS), which is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. [provided by RefSeq].

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