

## Product datasheet for **TA423164**

### Glutathione Peroxidase 4 (GPX4) Rabbit Monoclonal Antibody [Clone ID: OTIRA0983]

#### Product data:

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTIRA0983
<b>Applications:</b>	ICC/IF, IHC, WB
<b>Recommended Dilution:</b>	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	A synthesized peptide derived from human GPX4
<b>Specificity:</b>	GPX4 Antibody detects endogenous levels of total GPX4
<b>Formulation:</b>	Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity-chromatography
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at +4°C short term. Store at -21°C long term. Avoid freeze / thaw cycle.
<b>Predicted Protein Size:</b>	17kDa
<b>Gene Name:</b>	glutathione peroxidase 4
<b>Database Link:</b>	<a href="#">Entrez Gene 2879 Human P36969</a>

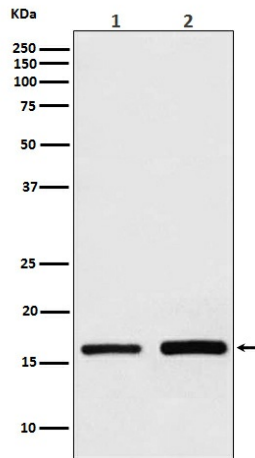


**Background:**

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.

**Synonyms:**

GPX4; GSHPx-4; MCSP; mitochondrial; PHGPx; Phospholipid hydroperoxidase; snGPx; snPHGPx; Sperm nucleus glutathione peroxidase

**Product images:**

Western blot analysis of GPX4 expression in (1) HepG2 cell lysate; (2) Mouse testis lysate.