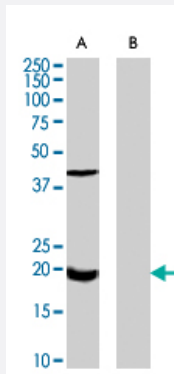


GPX7 polyclonal antibody

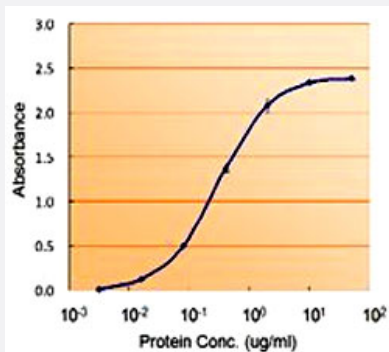
Catalog # PAB7067 Size 100 ug

Applications



Western Blot (Tissue lysate)

GPX7 polyclonal antibody (Cat # PAB7067) (0.3 ug/mL) staining of human prostate lysate (35 ug protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide. Primary incubation was 1 hour. Detected by chemiluminescence.



Sandwich ELISA

GPX7 polyclonal antibody (Cat # PAB7067) (5 ug/mL) as the reporter with the capture rabbit antibody (5 ug/mL).

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of GPX7.
Immunogen	A synthetic peptide corresponding to internal region of human GPX7.
Sequence	CNQFGQQEPDSNK
Host	Goat
Theoretical MW (kDa)	21
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:32000) Sandwich ELISA (5-10 ug/mL) Western Blot (0.3-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

GPX7 polyclonal antibody (Cat # PAB7067) (0.3 ug/mL) staining of human prostate lysate (35 ug protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide. Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

- Sandwich ELISA

GPX7 polyclonal antibody (Cat # PAB7067) (5 ug/mL) as the reporter with the capture rabbit antibody (5 ug/mL).

Gene Info — GPX7

Entrez GeneID	2882
Protein Accession#	NP_056511.2
Gene Name	GPX7
Gene Alias	CL683, FLJ14777, GPX6, NPGPx
Gene Description	glutathione peroxidase 7
Gene Ontology	Hyperlink

Other Designations

OTTHUMP00000010021|glutathione peroxidase 6|non-selenocysteine containing phospholipid hydroperoxide glutathione peroxidase

Publication Reference

- [Glutathione-dependent and -independent oxidative stress-control mechanisms distinguish normal human mammary epithelial cell subsets.](#)

Kannan N, Nguyen LV, Makarem M, Dong Y, Shih K, Eirew P, Raouf A, Emerman JT, Eaves CJ.

PNAS 2014 May; 111(21):7789.

Application: WB-Ce, Human, Human mammary cells

- [Identification of a novel putative non-selenocysteine containing phospholipid hydroperoxide glutathione peroxidase \(NPGPx\) essential for alleviating oxidative stress generated from polyunsaturated fatty acids in breast cancer cells.](#)

Utomo A, Jiang X, Furuta S, Yun J, Levin DS, Wang YC, Desai KV, Green JE, Chen PL, Lee WH.

The Journal of Biological Chemistry 2004 Oct; 279(42):43522.

Application: IF, IP, WB, Human, Mouse, HS27 cells, MEFs

Pathway

- [Arachidonic acid metabolism](#)
- [Glutathione metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Head and Neck Neoplasms](#)
- [Lung Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)