

Product datasheet for **AP22541PU-N**

Glutathione Peroxidase 4 (GPX4) (184-196) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	IHC IHC-P (2.5 µg/ml) Peptide-ELISA (1:16000) WB (0.1 - 0.3 µg/ml)
Reactivity:	Human, Monkey
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-EEPLVIEKDLPHY, from the C-Terminus of protein sequence according to NP_002076.2NP_001034937.1.
Specificity:	Human GPX4. This antibody is expected to recognise isoform A (NP_002076.2) and isoform C (NP_001034937.1).
Formulation:	TBS, pH 7.3, 0.02% Sodium Azide, 0.5% BSA
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20°C. Avoid freeze-thaw cycles.
Stability:	12 months from date of despatch
Gene Name:	glutathione peroxidase 4
Database Link:	Entrez Gene 2879 Human P36969
Background:	MCSP antibody LS-B3246 is an unconjugated goat polyclonal antibody to MCSP (GPX4) (aa184-196) from human. It is reactive with human and monkey. Validated for IHC, Peptide-ELISA and WB. Tested on 20 paraffin-embedded human tissues. Cited in 2 publications.
Synonyms:	GPX4, GPx-4, MCSP, SnPHGPx, Phospholipid hydroperoxidase, SnGPx, Glutathione peroxidase 4, GSHPx-4, PHGPx



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Note: Immunohistochemistry: LS-B3246 was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for LS-B3246 was determined to be 2.5 ug/ml.

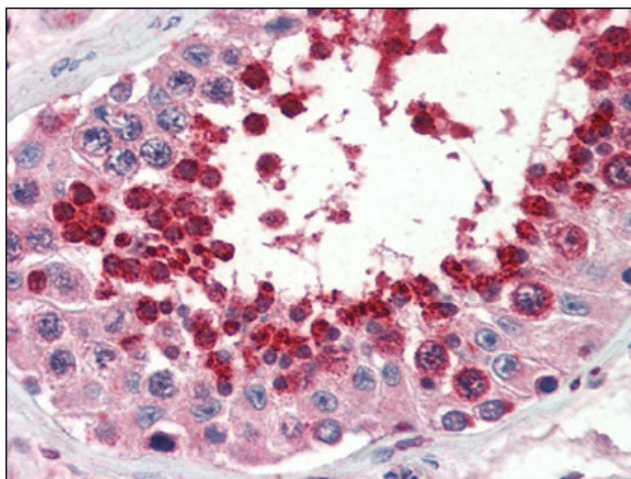
Protein Families: Druggable Genome

Protein Pathways: Arachidonic acid metabolism, Glutathione metabolism

Product images:



Antibody (0.1 ug/ml) staining of Human Testis lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Human Testis (formalin-fixed, paraffin-embedded) stained with GPX4 antibody at 2.5 ug/ml followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.