ARG64151
anti-GPX3 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes GPX3
Tested Reactivity	Hu, Ms, Pig
Predict Reactivity	Dog, Rat
Tested Application	IHC-Fr, IHC-P, WB
Specificity	This antibody may cross-react with epididymis-specific GPX5 and olfactory epithelium-speciific GPX6
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	GPX3
Species	Human
Immunogen	C-NQFGKQEPGENSE
Conjugation	Un-conjugated
Alternate Names	Plasma glutathione peroxidase; Extracellular glutathione peroxidase; GPx-P; GPx-3; EC 1.11.1.9; Glutathione peroxidase 3; GSHPx-3; GSHPx-P

Application Instructions

Application table

Application	Dilution
IHC-Fr	20 µg/ml
IHC-P	5 µg/ml
WB	1 - 3 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

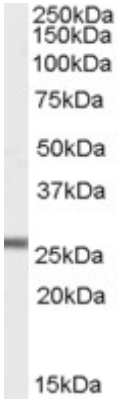
Form	Liquid
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA

Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

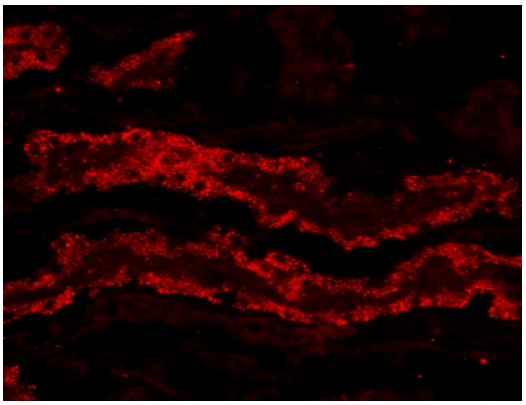
Database links	GeneID: 14778 Mouse GeneID: 2878 Human Swiss-port # P22352 Human Swiss-port # P46412 Mouse
Background	This gene product belongs to the glutathione peroxidase family, which functions in the detoxification of hydrogen peroxide. It contains a selenocysteine (Sec) residue at its active site. 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, Jul 2008]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	26 kDa
PTM	The N-terminus is blocked.

Images



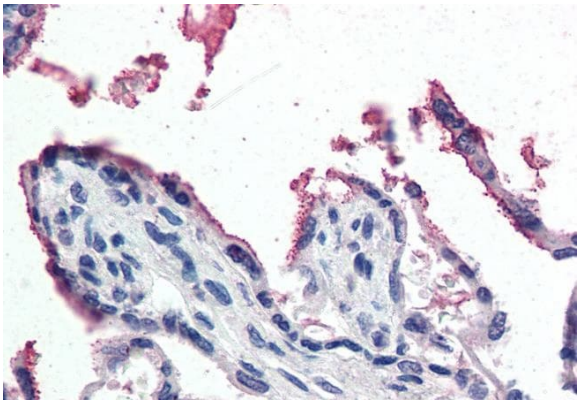
ARG64151 anti-GPX3 antibody WB image

Western Blot: Mouse Heart lysate (35 µg protein in RIPA buffer) stained with ARG64151 anti-GPX3 antibody at 1 µg/ml dilution.



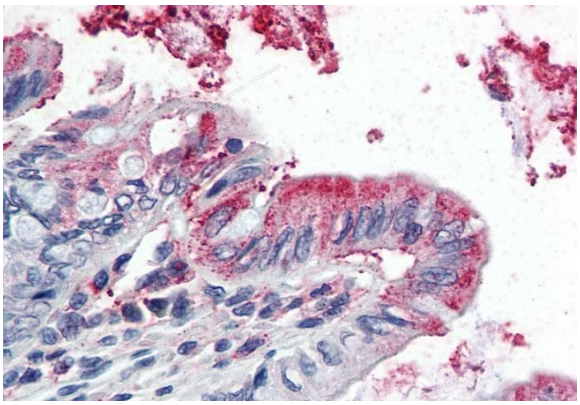
ARG64151 anti-GPX3 antibody IHC-Fr image

Immunohistochemistry: PFA-perfused cryosection of Pig kidney tissue stained with ARG64151 anti-GPX3 antibody at 20 µg/ml dilution.



ARG64151 anti-GPX3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placenta tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64151 anti-GPX3 antibody at 5 µg/ml dilution followed by AP-staining.



ARG64151 anti-GPX3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64151 anti-GPX3 antibody at 5 µg/ml dilution followed by AP-staining.