GPX4 (R635P) Rabbit mAb

CatalogNo: AR0001 Recombinant FSS™

•Main information

Target	GPX4
Reactivity	Human,Mouse,Rat （Bovine, Goat, Sheep, Pig, Dog, Horse, Chicken）
Applications	WB,IHC,IF,ELISA
MW (kDa)	22kD (Calculated) 22kD (Observed)
Host Species	Rabbit
Isotype	IgG,Kappa

•Recommended Dilutions

IHC 1:200-1:1000

WB 1:2000-1:10000

IF 1:200-1:1000

ELISA 1:5000-1:20000

Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0 (Cat#RH0011)

•Detailed information

Specificity	Endogenous
Storage	-15°C to -25°C/1 year(Do not lower than -25°C, Ship by ice bag)
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Purification	Protein A
Clonality	Monoclonal
Clone Number	R635P

•Target Information

Gene name GPX4

Protein Name GPX4

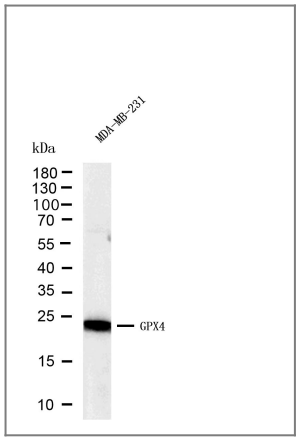
Organism	Gene ID	UniProt ID
Human	2879;	P36969;

Cellular Localization Cytoplasm

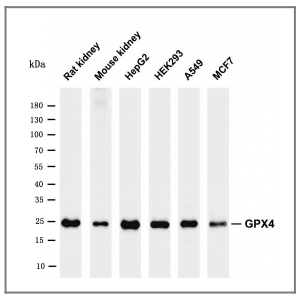
Tissue specificity Present primarily in testis. Expressed in platelets (at protein level) (PubMed:11115402).

Function Catalytic activity:2 glutathione + a lipid hydroperoxide = glutathione disulfide + lipid + 2 H(2)O.,Disease:Defects in GPX4 may be a cause of infertility.,Function: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.,similarity:Belongs to the glutathione peroxidase family.,subunit:Monomer. Has a tendency to form higher mass oligomers.,tissue specificity:Present primarily in testis.,

•Validation Data



Western blot analysis was performed using MDA-MB-231 cell lysates; proteins were separated by 4–20% SDS-PAGE, with the primary antibody applied at a dilution of 1:5000.



Western blot analysis was performed on lysates prepared from Rat kidney, Mouse kidney, and human cell lines including HepG2, HEK293, A549, and MCF7. Proteins were resolved by 4–20% gradient SDS-PAGE, and the expression of GPX4 was subsequently detected.

•Contact information

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GPX4 (R635P) Rabbit mAb

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