GPX4 Conjugated Antibody

Catalog No: #C49731

Package Size: #C49731-AF350 100ul #C49731-AF405 100ul #C49731-AF488 100ul #C49731-AF555 100ul #C49731-AF594 100ul #C49731-AF647 100ul #C49731-AF680 100ul #C49731-AF750 100ul #C49731-Biotin 100ul

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Description

Product Name	GPX4 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt, Zebrafish
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Glutathione peroxidase 4 antibody GPX 4 antibody GPX-4 antibody GPX4 antibody GPX4_HUMAN antibody GSHPx-4 antibody MCSP antibody mitochondrial antibody PHGPx antibody Phospholipid hydroperoxidase antibody Phospholipid hydroperoxide glutathione peroxidase antibody Phospholipid hydroperoxide glutathione peroxidase mitochondrial antibody snGPx antibody snPHGPx antibody Sperm nucleus glutathione peroxidase antibody
Accession No.	Swiss-Prot#:P36969
Uniprot	P36969
GeneID	2879;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	22 kDa Clone number: JU11-31
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Glutathione peroxidase (GPx) enzymes are generally selenium-containing tetrameric glycoproteins that help prevent lipid peroxidation of cell membranes. GPx enzymes reduce lipid hydroperoxides to alcohols, and reduce free hydrogen peroxide to water. GPx members are among the few proteins known in higher vertebrates to contain selenocysteine, which occurs at the active site of glutathione peroxidase and is coded by the nonsense (stop) codon TGA. There are eight GPx homologs (GPx-1-8). GPx-1, Gpx-2 and Gpx-3 exist as homotetramers. Gpx-4 has a high tendancy to form high molecular weight oligomers.

Note: This product is for in vitro research use only