

GPX5 Conjugated Antibody

Catalog No: #C38176



Package Size: #C38176-AF350 100ul #C38176-AF405 100ul #C38176-AF488 100ul
 #C38176-AF555 100ul #C38176-AF594 100ul #C38176-AF647 100ul
 #C38176-AF680 100ul #C38176-AF750 100ul #C38176-Biotin 100ul

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Description

Product Name	GPX5 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total GPX5 antibody.
Immunogen Description	Recombinant protein of human GPX5.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	GPX5
Accession No.	Swiss-Prot#:O75715NCBI Gene ID:2880
Uniprot	O75715
GeneID	2880;
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	25
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

GPX5 belongs to the glutathione peroxidase family. GPX5 protects cells and enzymes from oxidative damage, by catalyzing the reduction of hydrogen peroxide, lipid peroxides and organic hydroperoxide, by glutathione. Catalytic the reaction: $2 \text{ glutathione} + \text{H}_2\text{O}_2 = \text{glutathione disulfide} + 2 \text{H}_2\text{O}$. GPX5 constitute a glutathione peroxidase-like protective system against peroxide damage in sperm membrane lipids.

Note: This product is for in vitro research use only