



GPX1 Recombinant Monoclonal Antibody

Product Code	CSB-RA009866A0HU
Abbreviation	Glutathione peroxidase 1
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P07203
Immunogen	A synthesized peptide derived from human GPX1
Species Reactivity	Human
Tested Applications	ELISA
Relevance	Protects the hemoglobin in erythrocytes from oxidative breakdown.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Alias	Glutathione peroxidase 1, GPx-1, GSHPx-1, Cellular glutathione peroxidase, GPX1
Immunogen Species	Homo sapiens (Human)
Research Area	Signal Transduction
Gene Names	GPX1
Clone No.	3G1

Description

This GPX1 antibody is a recombinant monoclonal antibody. Its production process includes the cloning of the human GPX1 DNA gene into the vector and subsequent transfection of the clones into the cell line for in vitro expression. It can react with human GPX1 protein. It is purified using affinity-chromatography. This GPX1 recombinant antibody has been validated in ELISA application.

GPX1 is the first identified and the most abundant selenoprotein in mammals and is also an antioxidant enzyme counteracting oxidative stress. It plays an important role in protecting organisms from oxidative damage by scavenging hydrophilic peroxide species such as H₂O₂. Accumulating evidence has linked alteration or abnormality of GPX1 expression to the etiology of cancer, cardiovascular disease, neurodegeneration, autoimmune disease, and diabetes.