

**DGRmAb<sup>®</sup>** 

Recombinant

Glutathione Peroxidase 1 (DGR19175) Rabbit mAb

db14543

Package : 10µL 20µL 50µL 100µL

Product Name : Glutathione Peroxidase 1 (DGR19175) Rabbit mAb Cat.No.: db14543 Synonyms : GPXD; GSHPX1 Application : WB, IP Reactivity : Human,Mouse,Rat

Host species : Rabbit

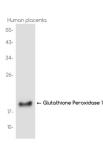
## Background

	catalyze the reduction of organic hydroperoxides and hydrogen peroxide (H2O2) by glutathione,
	and thereby protect cells against oxidative damage. Other studies indicate that H2O2 is also
	essential for growth-factor mediated signal transduction, mitochondrial function, and maintenance
	of thiol redox-balance; therefore, by limiting H2O2 accumulation, glutathione peroxidases are also
	involved in modulating these processes. Several isozymes of this gene family exist in vertebrates,
	which vary in cellular location and substrate specificity. This isozyme is the most abundant, is
	ubiquitously expressed and localized in the cytoplasm, and whose preferred substrate is hydrogen
	peroxide. It is also a selenoprotein, containing the rare amino acid selenocysteine (Sec) at its
	active site. Sec is encoded by the UGA codon, which normally signals translation termination. The
	3' UTRs of selenoprotein mRNAs contain a conserved stem-loop structure, designated the Sec
	insertion sequence (SECIS) element, that is necessary for the recognition of UGA as a Sec codon,
	rather than as a stop signal. This gene contains an in-frame GCG trinucleotide repeat in the coding
	region, and three alleles with 4, 5 or 6 repeats have been found in the human population. The allele
	with 4 GCG repeats has been significantly associated with breast cancer risk in premenopausal
	women. Alternatively spliced transcript variants have been found for this gene. Pseudogenes of this
	locus have been identified on chromosomes X and 21. [provided by RefSeq, Aug 2017]
Immunogen	A synthetic peptide of human Glutathione Peroxidase 1
Gene ID	2876
Swiss Prot	P07203
Synonyms	GPXD; GSHPX1
Description of the	
Reactivity	Human,Mouse,Rat
Application	WB, IP
Recommended dilution	WB: 1:1000-1:5000

The protein encoded by this gene belongs to the glutathione peroxidase family, members of which

## dvagbvo 戴格生物

	IP: 1:10-1:100
Calculated MW	22 kDa
Observed MW	22 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR19175
lsotype	lgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from Human placenta tissue using db14543 at 1:1000.