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Store at -20C
#3286

GPX1 (C8C4) Rabbit mAb

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 22	Source/Isotype: Rabbit IgG	UniProt ID: #P07203	Entrez-Gene Id: 2876
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Product Usage Information

Application

Western Blotting

Dilution

1:1000

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

GPX1 (C8C4) Rabbit mAb detects endogenous levels of total GPX1 protein.

Source / Purification

GPX1 (C8C4) Rabbit mAb is produced by immunizing rabbits with a synthetic peptide corresponding to the sequence of human GPX1.

Background

Glutathione peroxidase 1 (GPX1) is a cytosolic selenoprotein which reduces hydrogen peroxide to water (1). GPX1 is the most abundant and ubiquitous among the five GPX isoforms identified so far (2). It is an important component in the anti-oxidative defense in cells and is associated with a variety of disease conditions, such as colon cancer (3), coronary artery disease (4) and insulin resistance (1).

Background References

1. McClung, J.P. et al. (2004) *Proc. Natl. Acad. Sci. USA* 101, 8852-8857.
2. Hamanishi, T. et al. (2004) *Diabetes* 53, 2455-2460.
3. Drew, J.E. et al. (2005) *FEBS Lett.* 579, 6135-6139.
4. Winter, J.P. et al. (2003) *Coron. Artery Dis.* 14, 149-153.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween@ 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting

Cross-Reactivity Key

H: Human

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