

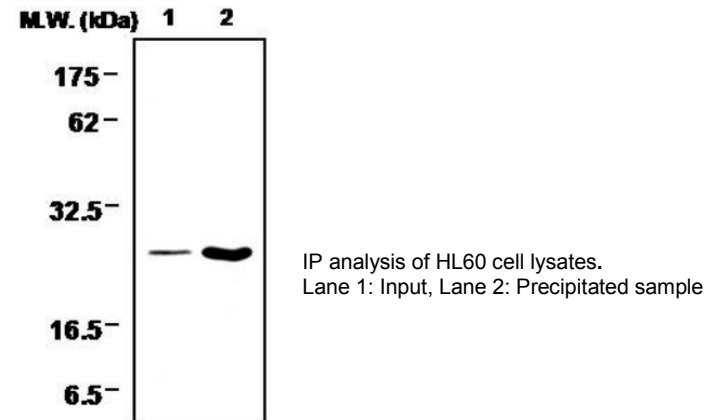
Glutathione Peroxidase 1 Antibody (Clone 2A10)

ALTERNATE NAMES:	GPX1
CATALOG #:	6214-100
AMOUNT:	100 µl
HOST:	Mouse
ISOTYPE:	IgG1
IMMUNOGEN:	Recombinant human protein purified from E.coli
PURIFICATION:	Ammonium sulphate precipitation
FORM:	Liquid
FORMULATION:	100 µl of antibody in HEPES with 0.15 M NaCl, 0.01 % BSA, 0.03 % sodium azide, and 50 % glycerol
SPECIES REACTIVITY:	Human
STORAGE CONDITIONS:	Store for 1 year at -20°C from date of shipment. Avoid repeated freeze/thaw cycles.

DESCRIPTION: Glutathione peroxidases (Gpxs) are ubiquitously expressed proteins which catalyze the reduction of hydrogen peroxides and organic hydroperoxides by glutathione. There are several isoforms which differ in their primary structure and localization. The classical cytosolic /mitochondrial GPx1 (cGPx) is a selenium-dependent enzyme, first of the GPx family to be discovered. GPx2, also known as gastrointestinal GPx (GI-GPx), is an intracellular enzyme expressed only at the epithelium of the gastrointestinal tract. Extracellular plasma GPx (pGPx or GPx3) is mainly expressed by the kidney from where it is released into the blood circulation. Phospholipid hydroperoxide GPx4 (PH-GPx) expressed in most tissues, can reduce many hydroperoxides including hydroperoxides integrated in membranes, hydroperoxy lipids in low density lipoprotein or thymine. All mammalian GPx family members, except for the recently described Cys containing GPx3 and epididymis-specific secretory GPx (eGPx or GPx5) isoforms, possess selenocysteine at the active site.

APPLICATION: IP: 1 µl

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



RELATED PRODUCTS:

- Glutathione peroxidase 4 (1H11) Monoclonal Antibody (**Cat. No. 6213-100**)
- Glutaredoxin 1 (28C3) Monoclonal Antibody (**Cat. No. 6211-100**)
- Glutathione reductase (2B3) Monoclonal Antibody (**Cat. No. 6212-100**)
- Glutathione Peroxidase Activity Colorimetric Assay Kit (**Cat. No. K762-100**)
- Glutathione Reductase Activity Colorimetric Assay Kit (**Cat. No. K761-100**)
- Glutathione (GSH/GSSG/Total) Fluorometric Assay Kit (**Cat. No. K264-100**)
- Glutathione Colorimetric Assay Kit (**Cat. No. K261-100**)
- Glutathione Fluorometric Assay Kit (**Cat. No. K251-100**)
- Glutathione Reductase Activity Colorimetric Assay Kit (**Cat. No. K761-100**)
- Oxidized Glutathione (GSSG) (**Cat. No. 1241-1**)
- Reduced Glutathione (GSH) (**Cat. No. 1242-1**)
- Bacterial Recombinant GOR (**Cat. No. 6380-100**)

FOR RESEARCH USE ONLY! Not to be used on humans.