

Datasheet for ABIN6242373

**anti-Glutathione Peroxidase 7 antibody (AA 73-107)**[Go to Product page](#)**4** Images

## Overview

Quantity:	200 µL
Target:	Glutathione Peroxidase 7 (GPX7)
Binding Specificity:	AA 73-107
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glutathione Peroxidase 7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunofluorescence (IF)

## Product Details

Immunogen:	This GPX7 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 73-107 amino acids from the Central region of human GPX7.
Clone:	RB58055
Isotype:	Ig Fraction
Predicted Reactivity:	B
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	Glutathione Peroxidase 7 (GPX7)
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## Target Details

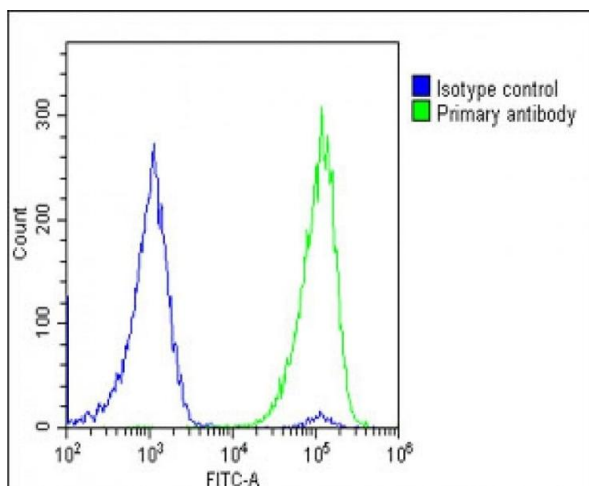
Alternative Name:	GPX7 ( <a href="#">GPX7 Products</a> )
Background:	It protects esophageal epithelia from hydrogen peroxide- induced oxidative stress. It suppresses acidic bile acid-induced reactive oxygen species (ROS) and protects against oxidative DNA damage and double-strand breaks.
Molecular Weight:	20996
UniProt:	<a href="#">Q96SL4</a>
Pathways:	<a href="#">Thyroid Hormone Synthesis</a>

## Application Details

Application Notes:	IF: 1:25. WB: 1:2000. IHC-P-Leica: 1:1000. FC: 1:25
Restrictions:	For Research Use only

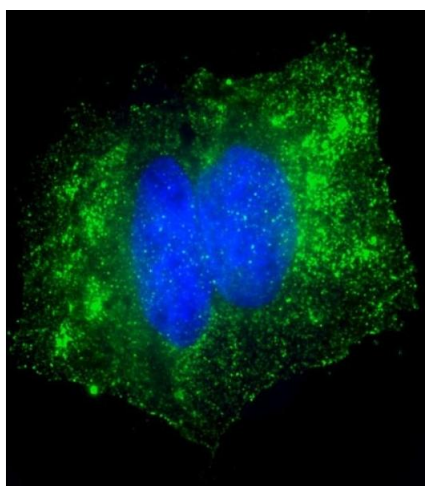
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Expiry Date:	6 months



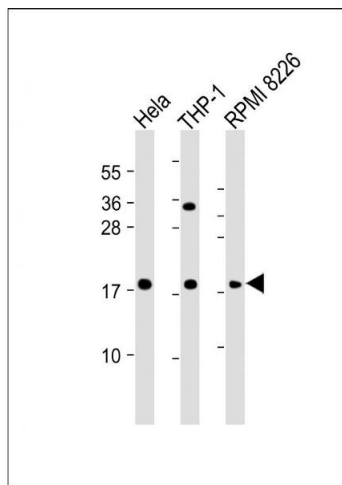
### Flow Cytometry

**Image 1.** Overlay histogram showing U-2 OS cells stained with (ABIN6242373 and ABIN6578888)(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6242373 and ABIN6578888), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OE188374) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.



### Immunofluorescence

**Image 2.** Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized U-2OS cells labeling GPX7 with (ABIN6242373 and ABIN6578888) at 1/25 dilution, followed by DyLight® 488-conjugated goat anti-Rabbit IgG (OH191631) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on U-2OS cell line. Cytoplasmic actin is detected with DyLight® 554 Phalloidin (1186255) at 1/500 dilution (red). The nuclear counter stain is DAPI (blue).



### Western Blotting

**Image 3.** All lanes : Anti-GPX7 Antibody (Center) at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: THP-1 whole cell lysate Lane 3: RI 8226 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 21 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6242373.