

Product no **AS04 055****GPX | Glutathione peroxidase (chloroplastic)****Product information**

<b>Immunogen</b>	thioredoxin fusion of 58 amino acid region between Ser at position 175 and the C-terminal Ala of <i>Arabidopsis thaliana</i> GPX7 accession <a href="#">At4g31870</a> has been used for antibody production
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Serum
<b>Format</b>	Lyophilized
<b>Quantity</b>	100 µl
<b>Reconstitution</b>	For reconstitution add 100 µl of sterile water
<b>Storage</b>	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

**Application information**

<b>Recommended dilution</b>	1 : 1, 1 : 2, 1 : 4, 1 : 8, 1 : 16 (ELISA), 1 : 5000 (WB)
<b>Expected   apparent MW</b>	25   20 kDa
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i>
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Additional information</b>	This antibody is recognizing <i>Arabidopsis thaliana</i> GPX (two chloroplastic isoforms). Antibody has also a weak cross-reactivity to cytosolic forms, therefore work on isolated chloroplasts is recommended.
<b>Selected references</b>	<a href="#">Lepistö</a> et al. (2013). Deletion of chloroplast NADPH-dependent thioredoxin reductase results in inability to regulate starch synthesis and causes stunted growth under short-day photoperiods. J Exp Bot. July 23. <a href="#">Juszczak</a> et al. (2012). Natural genetic variation in the expression regulation of the chloroplast antioxidant system among <i>Arabidopsis thaliana</i> accessions. Physiol. Plant.