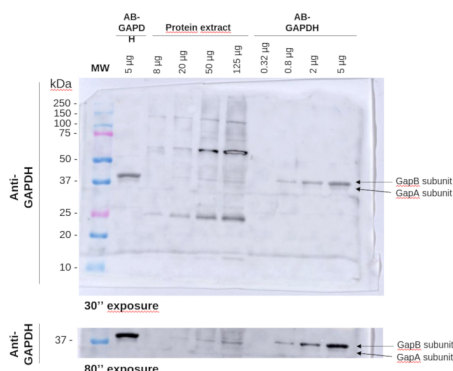


Product no **AS22 4848****GAPDH | Glyceraldehyde-3-phosphate dehydrogenase (chloroplastic)****Product information**

<b>Immunogen</b>	KLH-conjugated peptide derived from <i>Arabidopsis thaliana</i> GAPDH, UniProt: <a href="#">P2585Z</a> , TAIR: <a href="#">At1g42970</a>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Serum
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µl
<b>Reconstitution</b>	For reconstitution add 50 µl, of sterile or deionized water.
<b>Storage</b>	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.
<b>Additional information</b>	Purified chloroplast sample is recommended to be used with this antibody.

**Application information**

<b>Recommended dilution</b>	1 : 1000 (WB)
<b>Expected   apparent MW</b>	42.4   36.3 kDa (due to N-terminal processing)
<b>Confirmed reactivity</b>	<i>Spinacia oleracea</i>
<b>Predicted reactivity</b>	<i>Arabidopsis thaliana</i> , <i>Brassica napus</i> , <i>Nicotiana tabacum</i> , <i>Solanum lycopersicum</i> , <i>Solanum tuberosum</i> , <i>Pisum sativum</i> , <i>Hordeum vulgare</i> , <i>Oryza sativa</i> , <i>Zea mays</i> Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Selected references</b>	To be added when available, antibody available in January 2024.



Variable amounts of purified spinach AB-GAPDH enzyme (0.32, 0.8, 2, and 5 µg/well) and protein extract (8, 20, 50 and 125 µg/well) from *Spinacia oleracea* leaves were separated on 12% SDS-PAGE and blotted to a nitrocellulose membrane (0.2 µm) using the TransBlot (BioRad). Membrane was stained with Red-Ponceau and then blocked with TBST containing 5% skim milk for 1 h at RT. After blocking, the membrane was incubated at 4°C/ON in the presence of Agrisera primary antibody (1:1 000 dilution) in TBST containing 1% milk under continuous agitation. After incubation, the membrane was washed 5 times for 10 min in TBST with 1% milk at RT and then incubated with Agrisera secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, [AS09 602](#)) at 1:25 000 dilution for 90 min at RT. The membrane was then washed 5 times for 10 min in TBST with 1% milk and TBST for an additional 20 min prior to incubation (2 min) with Agrisera ECLBright ([AS16 ECL-N](#)). The signal was acquired using the LAS500 instrument (Cytiva) after exposure times of 30 and 80 sec. The GAPDH enzyme was purified according to [Fermani et al. \(2007\)](#)

Courtesy of Dr. Aitziber Calleja, University of Navarra, Spain