

product **AS03 036**

Elip2 | early light inducible protein 2

product information

background	Early light-induced proteins (ELIPs) are light stress-induced proteins related to the chlorophyll a/b binding protein family from higher plants and green algae located in the thylakoid membranes and involved in photosynthesis.
immunogen	Short peptide chosen from a sequence of early light-induced protein 2 of <i>Arabidopsis thaliana</i> AAD28779.1
antibody format	rabbit polyclonal serum, lyophilized
quantity	200 µl for reconstitution add 200 µl of sterile water.
storage	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.
tested applications	western blot (WB)
additional information	To obtain a signal with this antibody plants have to be exposed to a fluorescent light source HQI-E bulb 400W/D, above 800 mE.

application information

recommended dilution	1:500 (WB)
expected apparent MW	21 kDa
confirmed reactivity	<i>Arabidopsis thaliana</i>
predicted reactivity	does not apply
not reactive in	other plant species than <i>Arabidopsis thaliana</i>
additional information	Western blot images are presented in publications
selected references	Andersson et al. (2003) . Light stress-induced one-helix protein of the chlorophyll a/b-binding family associated with photosystem I. <i>Plant Physiol.</i> 132:811-820. Heddad & Adamska (2000) . Light stress-regulated two-helix proteins in <i>Arabidopsis thaliana</i> related to the chlorophyll a/b-binding gene family. <i>PNAS</i> 97:3741-3746.