

This product is for research use only (not for diagnostic or therapeutic use)

contact: support@agrisera.com

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no AS20 4371

Anti-elF2-alpha | Eukaryotic translation initiation factor 2 subunit alpha

Product information

Immunogen KLH-conjugated peptide derived from Arabidopsis thaliana eIF2-alpha, UniProt: Q9FE78, TAIR: AT5G05470

Host Rabbit

Clonality Polyclonal

Purity Immunogen affinity purified serum in PBS pH 7.4.

Format Lyophilized

Quantity 50 μg

Reconstitution For reconstitution add 50 μl, of sterile water

Storage Stora lyophilized/reconstituted at 20°C; and reconstituted a

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

Recommended dilution 1:1000 (WB)

Expected | apparent

38.8 kDa

- Arabidopsis trialiana

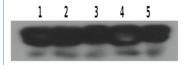
Predicted reactivity Brassica napus, Brassica oleracea, Camelina sativa, Capsella rubella, Medicago truncatula, Noccaea caerulescens,

Papaver somniferum, Raphanus sativus, Tarenaya hassleriana, Zea mays

Species of your interest not listed? Contact us

Not reactive in No confirmed exceptions from predicted reactivity are currently known

Selected references To be added when available, antibody released in April 2020.



Samples:

1-4 14 days old Arabidopsis thaliana wild-type

5 - Arabidopsis thaliana gcn2 mutant

Arabidopsis thaliana whole seedlings were grinded in liquid nitrogen and 80 mg of tissue powder was resuspended in 100 µl of 0.5xSDS Laemmli buffer in a 1.5 ml tube. After 5 minutes of mixing at room temperature, tubes were centrifuged at 21 000 xg for 10 minutes at RT. For immunoblog analysis 10 µl of supernatant was separated on a 12.5 % (w/v) SDS-PAGE gel and electroblotted onto PVDF membrane. After 1 h of blocking at RT with 1x blocking buffer (TBS-T, 5 % non-fat milk and 0.2 % BSA), the membrane was washed with 1xTBS-T four times for 10 minutes each. Post washing, membrane was incubated with anti-elF2alpha antibodies at 1: 5000 for 48 h at 4 °C. Following the washing with TBS-T, 10 minutes each for six repeats, the membrane was incubated in the goat anti-rabbit IgG, HRP conjugated secondary antibodies for 1h at RT followed by washing with TBS-T 10 minutes each for ten repeats and the blot was developed with chemiluminescent detection reagents, according to manufacture's recommendations.

Courtesy of Dr. Ansul Lokdarshi, Biochemistry & Cellular and Molecular Biology, University of Tennessee, USA