

# Anti-Eukaryotic translation initiation factor 2 subunit alpha antibody

Catalog: PHY2454A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	EIF2a is an eIF2alpha homolog that can be phosphorylated by GCN2 in vitro.
<b>Synonyms:</b>	eIF2a, ATEIF2-A2, EIF2 ALPHA, EIF2-A2, EUKARYOTIC TRANSLATION INITIATION FACTOR 2 ALPHA SUBUNIT
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (15 aa from Central section) derived from <i>Arabidopsis thaliana</i> eIF2a (AT5G05470) and AT2G40290.
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Immunogen affinity purified
<b>Reconstitution:</b>	Reconstitution with 150 µl of 0.01 M sterile PBS. "Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".
<b>Stability &amp; Storage:</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 6 months, -20 to -70°C under sterile conditions after reconstitution. 1 month, 2 to 8°C under sterile conditions after reconstitution.
<b>Shipping:</b>	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

## Application Information

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected / apparent MW:</b>	39 kDa
<b>Predicted Reactivity:</b>	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Brassica napus</i> , <i>Brassica rapa</i> , <i>Medicago truncatula</i> , and 80-99% homologues with the sequence in <i>Vitis vinifera</i> , <i>Glycine max</i> , <i>Zea mays</i> , <i>Nicotiana</i>

Research Use Only

*tabacum, Solanum tuberosum, Solanum lycopersicum, Populus trichocarpa, Spinacia oleracea, Gossypium raimondii, Sorghum bicolor, Oryza sativa, Hordeum vulgare, Triticum aestivum, Panicum virgatum, Setaria viridis, Cucumis sativus, Chlamydomonas reinhardtii.*

For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).