

Anti-Eukaryotic translation initiation factor 2 subunit alpha antibody

Catalog: PHY2454S

Product Information

Description:	Rabbit polyclonal antibody
Background:	EIF2a is an eIF2alpha homolog that can be phosphorylated by GCN2 in vitro.
Synonyms:	eIF2a, ATEIF2-A2, EIF2 ALPHA, EIF2-A2, EUKARYOTIC TRANSLATION INITIATION FACTOR 2 ALPHA SUBUNIT
Immunogen:	KLH-conjugated synthetic peptide (15 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> eIF2a (AT5G05470).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum
Reconstitution:	Peptide affinity form antibody available upon request at info@phytoab.com . Reconstitution with 150 µl of sterile water. "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".
Stability & Storage:	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.
Shipping:	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

Application Information

Recommended Dilution:	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
Expected / apparent MW:	39 kDa
Confirmed Reactivity:	Coming soon
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Brassica</i>

Research Use Only

napus, Brassica rapa, Medicago truncatula, and 80-99% homologues with the sequence in Vitis vinifera, Glycine max, Zea mays, Nicotiana tabacum, Solanum tuberosum, Solanum lycopersicum, Populus trichocarpa, Spinacia oleracea, Gossypium raimondii, Sorghum bicolor, Oryza sativa Indica Group, Hordeum vulgare subsp. vulgare, Triticum aestivum, Panicum virgatum, Cucumis sativus, Chlamydomonas reinhardtii, Physcomitrium patens.

For more species homologues information, please contact tech support at tech@phytoab.com.