

Anti-eEF1b antibody

Catalog: PHY0153S

Product Information

Description:	Rabbit polyclonal antibody
Background:	eEF1B is part of the eukaryotic translation elongation factor 1B complex. It functions as a nucleotide exchange factor, stimulating the exchange of GDP for GTP on eEF1A to enable aminoacyl-tRNA delivery to the ribosome during protein synthesis. This activity is crucial for efficient translational elongation in cells.
Synonyms:	EEF-1BB
Immunogen:	KLH-conjugated synthetic peptide (15 aa from central section) derived from <i>Arabidopsis thaliana</i> eEF1b (AT2G18110, AT1G30230).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	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:	25 kDa
Predicted Reactivity:	Among species analyzed, the sequence of the synthetic peptide used

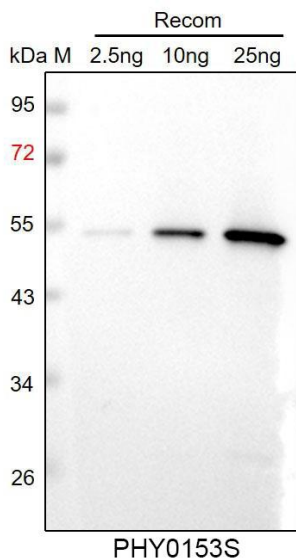
Research Use Only

for immunization is 100% homologues with the sequence in *Brassica rapa*, *Brassica napus*, *Triticum aestivum*, *Gossypium raimondii*, *Cucumis sativus*, *Hordeum vulgare*, and 93% homologues with the sequence in *Medicago truncatula*, *Solanum tuberosum*, *Vitis vinifera*, *Glycine max*, *Nicotiana tabacum*, *Solanum lycopersicum*, *Populus trichocarpa*, *Spinacia oleracea*, *Zea mays*, *Panicum virgatum*, *Oryza sativa*, *Setaria viridis*, *Sorghum bicolor*.

The sequence of the synthetic peptide used for immunization is 87-93% homologues with the sequence in AT5G19510, AT5G12110.

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

Application Example



Recom: 2.5 ng, 10 ng and 25 ng recombinant protein containing the peptide for immunization and having a molecular mass of 55 kDa.

Electrophoresis: 12% SDS-PAGE

Transfer: blotting to NC (nitrocellulose) membrane for 1 h.

Blocking: 5% skim milk at RT or 4°C for 1 h.

Primary antibody: 1:1000 dilution overnight at 4°C.

Secondary antibody: 1:10000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).

Detection: using chemiluminescence substrate and image were captured with CCD camera.