

Anti-Glutamate decarboxylase 1 antibody

Catalog: PHY2544S

Product Information

Description:	Rabbit polyclonal antibody
Background:	GAD is one of two isoforms of glutamate decarboxylase. The mRNA is cell-to-cell mobile.
Synonyms:	GAD, ATGAD1, GAD1, GLUTAMATE DECARBOXYLASE, GLUTAMATE DECARBOXYLASE 1
Immunogen:	KLH-conjugated synthetic peptide (16 aa from Central section) derived from <i>Arabidopsis thaliana</i> GAD1 (AT5G17330) and GAD2 (AT1G65960).
Form:	Lyophilized
Quantity:	150 µg
Purification:	Serum Peptide affinity form antibody available upon request at info@phytoab.com .
Reconstitution:	Reconstitution with 150µl 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:	57 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 rapa</i> , <i>Brassica napus</i> , <i>Gossypium raimondii</i> , <i>Vitis vinifera</i> , <i>Cucumis sativus</i> ,

Research Use Only

Populus trichocarpa, *Cucumis sativus*, and 80-99% homologues with the sequence in *Triticum aestivum*, *Cucumis sativus*, *Hordeum vulgare*, *Brassica napus*, *Oryza sativa*, *Panicum virgatum*, *Setaria viridis*, *Solanum tuberosum*, *Solanum lycopersicum*, *Brassica rapa*, *Glycine max*, *Nicotiana tabacum*, *Medicago truncatula*.

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