Anti-Dioxygenase-like protein antibody

Catalog: PHY1205S

Product Information

Description:	Rabbit polyclonal antibody
Background:	ATDAO2 is an IAA oxidase expressed in root caps. It is a member of a family of dioxygenase and 2OG Fe(II) oxygenase domain and DAO domain containing proteins.ATDAO1 is the primary constitutive mechanism of auxin catabolism in Arabidopsis and that the temporal- and tissue-specific oxidative inactivation of auxin by DAO adjusts indole-3-acetic acid levels throughout the life of the plant to optimize growth and development.
Synonyms:	DAO2, ATDAO2, AUXIN OXIDASE
Immunogen:	KLH-conjugated synthetic peptide (16 aa from C terminal section) derived from *Arabidopsis thaliana* DAO2 (AT1G14120).
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℃ as supplied. 6 months, -20 to -70℃ under sterile conditions after reconstitution. 1 month, 2 to 8℃ under sterile conditions after reconstitution.
Shipping:	The product is shipped at 4℃. 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:	35 kDa

Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Arabidopsis thaliana, Arabidopsis arenosa, Arabidopsis suecica, Arabidopsis lyrata subsp. Lyrata, Capsella rubella*, 94% homologues with the sequence in *Camelina sativa, Cardamine amara subsp. Amara.* 80% homologues with the sequence in *Brassica napus.*

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