



Rabbit anti-Arabidopsis thaliana DWARF14 (C-term) Polyclonal Antibody (CABT-Z056R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Antibodies were produced by immunizing animals with a GST-fusion protein containing C-terminal region of arabidopsis thaliana DWARF14.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Arabidopsis thaliana
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB Recommended dilution: WB: 1:500-1:2,000 (detect endogenous protein*)
Molecular Weight	30 kDa
Preparation	Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing C-terminal region of arabidopsis thaliana DWARF14 (At3g03990).
Format	Liquid
Concentration	Lot specific
Size	100 µl
Buffer	Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN ₃ .
Preservative	0.01% NaN ₃

Storage	Store at -20°C. Stable for 6 months from date of receipt.
----------------	---

Ship	Wet ice
-------------	---------

BACKGROUND

Introduction	DWARF14/D14 (Strigolactone esterase D14) is involved in strigolactone signaling pathway. DWARF14/D14 is rapidly degraded in the presence of strigolactones and functions downstream of strigolactone synthesis, as a component of hormone signaling and as an enzyme that participates in the conversion of strigolactones to the bioactive form. DWARF14/D14 acts probably as a strigolactone receptor. The hydrolysis of strigolactone into a covalently linked intermediate molecule initiates a conformational change of DWARF14/D14 to facilitate interaction with MAX2 and formation of the D14-MAX2-SKP1/ASK1 complex to trigger strigolactone signaling. This mechanism defines DWARF14/D14 as a non-canonical hormone receptor with dual functions to generate and sense the active form of strigolactone.
---------------------	---

Keywords	Strigolactone esterase D14;D14;AtD14;At3g03990
-----------------	--

GENE INFORMATION

Gene Name	D14
------------------	-----

Entrez Gene ID	819554
-----------------------	------------------------

UniProt ID	Q9SQR3
-------------------	------------------------