



Rabbit anti-Arabidopsis thaliana AUX1 (N-term) Polyclonal Antibody (CABT-Z028R)

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 the N-terminal region of arabidopsis thaliana AUX1.
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	54 kDa
Preparation	Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of arabidopsis thaliana AUX1 (AT2G38120).
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.
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Ship	Wet ice
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BACKGROUND

Introduction	AUX1 is an auxin influx transporter. AUX1 resides at the apical plasma membrane of protophloem cells and at highly dynamic subpopulations of Golgi apparatus and endosomes in all cell types. AUX1 functions in the lateral root cap and/or epidermal cells and influences lateral root initiation and positioning. Shoot supplied ammonium targets AUX1 and inhibits lateral root emergence.
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Keywords	Auxin transporter protein 1;Auxin influx carrier protein 1;Polar auxin transport inhibitor-resistant protein 1;AUX;PIR1;WAV5;At2g38120;F16M14.5;ATAUX1;AUXIN RESISTANT 1;MAP1;MODIFIER OF ARF7/NPH4 PHENOTYPES 1;PIR1;WAV5;WAVY ROOTS 5
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GENE INFORMATION

Gene Name	AUX1
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Entrez Gene ID	818390
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UniProt ID	Q96247
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