

ARG67158 anti-ACO1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ACO1
Tested Reactivity	Arabi
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ACO1
Species	Plant
Immunogen	Synthetic peptide corresponding to N-terminus of arabidopsis thaliana ACO1 protein.
Conjugation	Un-conjugated
Alternate Names	ACO; Aconitate hydratase 1; Aconitase 1; Citrate hydro-lyase 1

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	98 kDa	

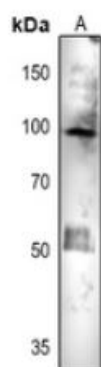
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ACO1
Gene Full Name	aconitase 1
Background	Encodes an aconitase that can catalyze the conversion of citrate to isocitrate through a cis-aconitate intermediate, indicating that it may participate in the TCA cycle and other primary metabolic pathways. The protein is believed to accumulate in the mitochondria and the cytosol. It affects CSD2 (At2g28190 - a superoxide dismutase) transcript levels and may play a role in the response to oxidative stress. This enzyme can also specifically bind to the 5' UTR of CSD2 in vitro.
Function	Catalyzes the isomerization of citrate to isocitrate via cis-aconitate. [UniProt] [UniProt] Contributes to oxidative stress tolerance. [UniProt]
Calculated Mw	98 kDa
Cellular Localization	Cytoplasm, Mitochondrion. [UniProt]

Images



ARG67158 anti-ACO1 antibody WB image

Western blot: *Arabidopsis thaliana* stained with ARG67158 anti-ACO1 antibody.