

Anti-ACO1 Antibody

Catalog # AP54153

Product Information

Application	WB
Primary Accession	Q42560
Reactivity	Arabidopsis thaliana
Host	Rabbit
Clonality	Polyclonal
Calculated MW	98152

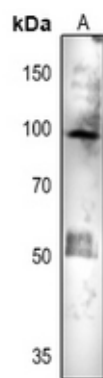
Additional Information

Gene ID	829737
Other Names	ACO; Aconitate hydratase 1; Aconitase 1; Citrate hydro-lyase 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of arabidopsis thaliana ACO1. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/2000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	ACO1 {ECO:0000303 PubMed:25061985}
Synonyms	ACO
Function	Catalyzes the isomerization of citrate to isocitrate via cis- aconitate. Contributes to oxidative stress tolerance (PubMed: 17013749). May have a role in respiration (PubMed: 25061985).
Cellular Location	Cytoplasm. Mitochondrion
Tissue Location	Mostly expressed in roots, stems and leaves, also present in stems and flowers.

Images



Western blot analysis of ACO1 expression in Arabidopsis thaliana (A) whole cell lysates. (Predicted band size: 98 kD; Observed band size: 98 kD)

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