

Anti-ACO1 Antibody
Catalog # AP54153**Specification**

Anti-ACO1 Antibody - Product Information

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

Anti-ACO1 Antibody - Additional Information**Gene ID** 829737**Other Names**

ACO; Aconitate hydratase 1; Aconitase 1; Citrate hydro-lyase 1

Target/Specificity

Recognizes endogenous levels of ACO1 protein.

Dilution

WB~~1/500 - 1/2000

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-ACO1 Antibody - 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](http://www.uniprot.org/citations/17013749)). May have a role in respiration (PubMed: [25061985](http://www.uniprot.org/citations/25061985)).**Cellular Location**

Cytoplasm. Mitochondrion

Tissue Location

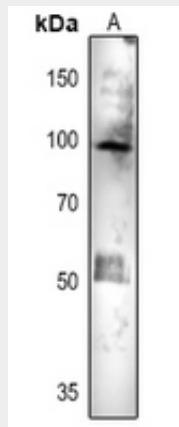
Mostly expressed in roots, stems and leaves, also present in stems and flowers.

Anti-ACO1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-ACO1 Antibody - Images



Western blot analysis of ACO1 expression in Arabidopsis thaliana (A) whole cell lysates.

Anti-ACO1 Antibody - Background

Rabbit polyclonal antibody to ACO1