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## Product Datasheet

### Anti-ACO1 | Aconitase, Polyclonal AGR-AS09-521

Article Name	Anti-ACO1   Aconitase, Polyclonal
Biozol Catalog Number	AGR-AS09-521
Supplier Catalog Number	AS09-521
Alternative Catalog Number	AGR-AS09-521
Manufacturer	Agrisera
Host	Rabbit
Category	Antikörper
Application	WB
Species Reactivity	Plant
Immunogen	Arabidopsis ACO1 (AT4G35830, Q42560), codon 120 - 898 (C-terminus), was cloned in fusion with a N-terminal 6xHis tag, and over-expressed in E. coli. All recombinant protein accumulated in inclusion bodies, which were purified by centrifugation and solubi
Product Description	Aconitase is a single subunit enzyme of the tricarboxylic acid cycle (or Krebs cycle) in the mitochondria. A cytosolic isoform is also part of the glyoxylate cycle. Aconitase catalyzes the dehydration / hydration of citrate to iso-citrate, via cis-ac...
Clonality	Polyclonal
Molecular Weight	98 kDa, Note that ACO1, ACO2 and ACO3 cannot be distinguished in size by standard SDS-PAGE,
NCBI	<a href="#">829737</a>

UniProt	<a href="#">Q42560</a>
Purity	Serum
Form	Lyophilized
Antibody Type	Polyclonal Antibody
Application Dilute	1 : 5 000 -1 : 10 000 (WB), At higher concentrations the antibody binds aspecifically resulting in non-specific signals around 60 kDa, including Rubisco subunits
Application Notes	The antibody recognises all three Arabidopsis aconitase isoforms (ACO1, ACO2 and ACO3, see Bernard et al 2009), Possible differences in affinity have not been precisely quantified, Sensitivity threshold is between 2 and 10 ng for WB / ECL (see figure), A