

Datasheet for ABIN195496

anti-ATP Synthase Subunit gamma (AtpC) antibody[Go to Product page](#)**1** Image

Overview

Quantity:	300 µL
Target:	ATP Synthase Subunit gamma (AtpC)
Reactivity:	Arabidopsis
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	synthetic peptide (a. a. 54 - 68) for Arabidopsis AtpC1 protein
Isotype:	IgG
Specificity:	Arabidopsis, other higher plants were not analysed. In Arabidopsis thaliana antibody reacts with AtpC1/C2. The synthetic peptide used for antibody production is conservative in most higher plant species and highly homologous to cyanobacterial AtpC.

Target Details

Target:	ATP Synthase Subunit gamma (AtpC)
Alternative Name:	CF1gamma (AtpC) subunit of ATP synthase (AtpC Products)
Background:	The chloroplast ATP synthase belongs to the family of F1-type ATPases, which are also present in bacteria and mitochondria. ATP synthase generates ATP from ADP and inorganic phosphate using energy derived from a trans-thylakoidal electrochemical proton gradient. ATPg subunit is

Target Details

the energy transducing subunit of rotor part of ATP synthase and responsible for redox modulations due to two cysteine residues. The Arabidopsis genome encodes two ATPg (Atp C1/C2) subunits which may be involved in different functions.

Pathways: [Proton Transport](#), [Ribonucleoside Biosynthetic Process](#)

Application Details

Application Notes: Western blot (1 : 1.000)

Restrictions: For Research Use only

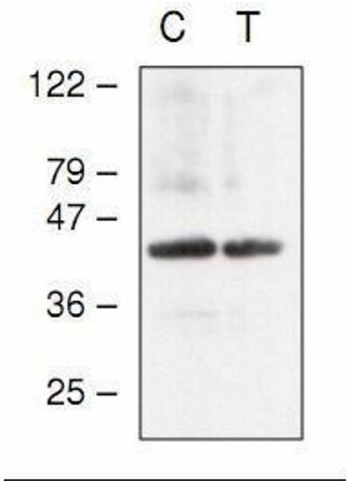
Handling

Format: Liquid

Buffer: contains 0.01% NaN3

Storage: 4 °C

Images



Western Blotting

Image 1. Western blot analysis of Arabidopsis chloroplast (C) and thylakoid (T) proteins with anti-CF1gamma (AtpC).