COR28 Rabbit pAb

Catalog NO.: A21278

Basic Information

Observed MW
30kDa

Calculated MW
25kDa

Category
Polyclonal Antibodies

Applications
WB, ELISA

Cross-Reactivity
Arabidopsis thaliana

Conjugation
Unconjugated

Background

Light and temperature are two key environmental signals that profoundly affect plant growth and development, COR28 and COR27 are negative regulators of freezing tolerance but positive regulators of flowering. They are involved in central circadian clock regulation and in flowering promotion, by binding to the chromatin of clock-associated evening genes TOC1, PRR5, ELF4 and cold-responsive genes in order to repress their transcription. And also are direct targets of CCA1, which represses their transcription via chromatin binding.

Recommended Dilutions

WB 1:500 - 1:1000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
829544

Swiss Prot
Q8L983

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
F17I5.170; F17I5_170; COR28

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

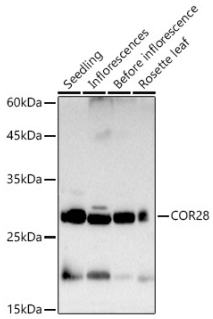
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of extracts of various tissues from Arabidopsis thaliana, using COR28 Rabbit pAb (A21278) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

For research use only. Not for therapeutic or diagnostic purposes.

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