DREB1B Rabbit pAb

Catalog NO.: A21961

Basic Information

Observed MW
25kDa

Calculated MW
24kDa

Category
Polyclonal Antibodies

Applications
WB, ELISA

Cross-Reactivity
Arabidopsis thaliana

Conjugation
Unconjugated

Background

Transcriptional activator that binds to the DRE/CRT regulatory element and induces COR (cold-regulated) gene expression increasing plant freezing tolerance. It encodes a member of the DREB subfamily A-1 of ERF/AP2 transcription factor family (CBF1). The protein contains one AP2 domain. There are six members in this subfamily, including CBF1, CBF2, and CBF3. This gene is involved in response to low temperature and abscisic acid.

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
828653

Swiss Prot
P93835

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
ATCBF1; C-repeat/DRE binding factor 1; DRE BINDING PROTEIN 1B; DREB1B; T30C3.11; TRANSCRIPTIONAL ACTIVATO R CBF1

Contact

Product Information

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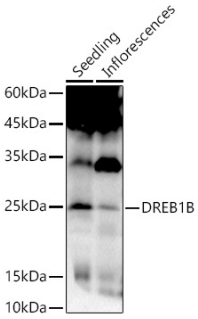
Source
Rabbit

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 DREB1B Rabbit pAb (A21961) 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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