Product datasheet

Anti-STN7 antibody ab65483

Overview

Product name Anti-STN7 antibody
Description Rabbit polyclonal to STN7
Host species Rabbit
Tested applications Suitable for: WB
Species reactivity Reacts with: Arabidopsis thaliana, Tobacco
Immunogen Synthetic peptide:
TFRKDDFVGKKG
, corresponding to amino acids 128-141 of Arabidopsis thaliana STN7
Positive control Arabidopsis thaliana and Nicotiana tabacum chloroplast proteins.

Properties

Form Liquid
Storage instructions Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer Preservative: 0.01% Sodium azide
Constituent: Whole serum
Purity Whole antiserum
Clonality Polyclonal
Isotype IgG

Applications

Our Abpromise guarantee covers the use of ab65483 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td></td>
<td>1/1000. Detects a band of approximately 63 kDa (predicted molecular weight: 63 kDa).</td>
</tr>
</tbody>
</table>
STN7, a serine/threonine protein kinase in Arabidopsis and its Stt7 homologue in Chlamydomonas, is required for LHCII phosphorylation and for state transitions in Arabidopsis and Chlamydomonas. The loss of this thylakoid associated kinase blocked stn7 (stt7) deficient mutants in state 1.

**Cellular localization**
Plastid, chloroplast thylakoid membrane.

**Images**

<table>
<thead>
<tr>
<th>Lane</th>
<th>Description</th>
<th>Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Arabidopsis thaliana chloroplast proteins</td>
<td>1/1000</td>
</tr>
<tr>
<td>2</td>
<td>Nicotiana tabacum chloroplast proteins</td>
<td>1/1000</td>
</tr>
</tbody>
</table>

Lysates/proteins at 5 µg per lane.

**Secondary**

<table>
<thead>
<tr>
<th>Lane</th>
<th>Description</th>
<th>Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Anti-rabbit</td>
<td>1/30000</td>
</tr>
<tr>
<td>2</td>
<td>anti-rabbit</td>
<td>1/30000</td>
</tr>
</tbody>
</table>

Developed using the ECL technique.

**Predicted band size:** 63 kDa
**Observed band size:** 63 kDa

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