

Product information

Antibody name: anti-Hik29

Product number: K01S-1

Product description: polyclonal antibody;
contains 0.01% NaN₃

Raised in: rabbit

Immunogen: recombinant Hik29 from *Synechocystis*
sp. PCC 6803

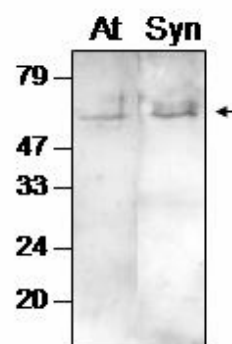
Immunodetection: Western blot (1 : 1.000 for ECL)

Immunocrossreaction: *Synechocystis* sp. PCC
6803; possibly crossreacts with homologous protein
from other cyanobacteria.

Storage: short term +4 °C; long term -20 °C. Repeated
freezing and thawing is not recommended.

Quantity: 100 µl

Protein background: Hik29 (slr0311) is a sensor histidine kinase from *Synechocystis* sp. PCC 6803. The antibody raised against Hik29 (molecular weight about 80 kDa) crossreacts with the protein of similar molecular weight in higher plant chloroplasts. According to sequence homology Hik29 shows high homology to serine-/threonine protein kinases in *Arabidopsis*: At5g49470 and At1g67890. The analysis of protein sequence *in silico* did not reveal any chloroplast-targeted transit peptides in these *Arabidopsis* proteins.



Western blot analysis of
Arabidopsis chloroplast and
Synechocystis membrane
proteins with anti-Hik29

For research purposes only