Product no AS08 333
NAB1 | nucleic acid binding protein 1, Chlamydomonas

Product information

Background
In Chlamydomonas reinhardtii NAB1 (nucleic acid binding protein 1) interacts in the cytosol with mRNAs coding for light-harvesting proteins of Photosystem II. NAB1 has structural similarities (cold-shock domain, CSD) to the FRGY2-protein from Xenopus laevis. According to immunolocalization studies NAB1 protein was exclusively found in cytosol, Mussgnug et al. (2005).

Immunogen
His-tagged recombinant NAB1 from Chlamydomonas reinhardtii UniProt:Q8GV23

Host
Rabbit

Clonality
Polyclonal

Purity
Serum

Format
Lyophilized

Quantity
50 µl

Reconstitution
For reconstitution add 50 µl of sterile water.

Storage
Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.

Tested applications
Immunofluorescence (IF), Immunoprecipitation (IP), Western blot (WB)

Related products
Collection of antibodies to Chlamydomonas proteins

Additional information
NAB1 can be used as a marker of cytoplasm in Chlamydomonas reinhardtii.

Application information

Recommended dilution
1: 500 (IF), 1 : 10 000 (WB)

Expected | apparent MW
26.5 kDa | 26 kDa (for Chlamydomonas reinhardtii)

Confirmed reactivity
Chlamydomonas reinhardtii

Predicted reactivity
Chlamydomonas reinhardtii

Not reactive in
No confirmed exceptions from predicted reactivity are currently known.

Selected references

For high resolution images, please visit the specific product page at www.agrisera.com
Application example

Western blot obtained using 1:10000 anti-NAB1 (AS08 333) and 1:160 000 AP-conjugated secondary antibody on (1) recombinant NAB1 protein, (2) cytosolic protein of Chlamydomonas reinhardtii wild strain Cw10, (3) NAB1-deficient strain Stm3, and (4) Stm3 complemented with NAB1.