

Product: Anti-Lhcb4 (CP29)

Product no: AS04 045

Product Information

Antibody clonality: Polyclonal

Raised in: Rabbit

Purity: Total IgG in PBS
pH 7.4

Quantity: 200 µl

Concentration: 3 µg/µl

Antibody form: Lyophilized. For reconstitution please add 200 µl of sterile water. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from liquid or lyophilized material adhering to the cap or sides of the tubes.

Storage instructions: -20°C or -80°C long Term storage (years). Please, avoid freezing and thawing of antibodies. Make aliquots instead.

Background

Lhcb4 (CP29) is a member of the Lhc family, which is conserved in higher plants and green algae and is involved in light harvesting and protection from abiotic stress. In the peripheral antenna, Lhc proteins bind a number of xanthophyll species, acting in the harvesting of light and transfer of excitation energy to chlorophylls. Lhcb4/CP29 is the simplest chlorophyll-binding protein of the Lhc superfamily since it binds eight Chls per polypeptide.

Immunogen: Synthetic peptide conjugated to KLH conserved in higher plant Lhcb4 proteins.

Application information:

Western Blot: 1:7 000 (ECL system)

Reactivity: *Arabidopsis thaliana* (tested so far) . Antibodies will not detect *Chlamydomonas* sp. Lhcb4 protein.

MW of target protein: 24 kDa

Antibodies are intended for the research use only not for diagnostic or therapeutic use.

Product support: inquiry@agrisera.com, <http://www.agrisera.com/protocols/protocols.shtml>