

Product no **AS05 082****Anti-Lhca5 | PSI type V chlorophyll a/b-binding protein****Product information**

Immunogen | BSA-conjugated synthetic peptide derived from the Lhca5 protein of *Arabidopsis thaliana* ([At1g45474](#)). This sequence is highly conserved in Lhca5 proteins of angiosperms (monocots and dicots) and gymnosperms. UniProt: [Q9C639](#). TAIR: [At1g45474](#)

Host | Rabbit

Clonality | Polyclonal

Purity | Total IgG. Protein G purified in PBS pH 7.4.

Format | Lyophilized

Quantity | 1 mg

Reconstitution | For reconstitution add 200 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 the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Additional information | More information on the Lhca5 localization within the LHCI antenna can be found in [Lucinski et al. \(2006\)](#) Lhca5 interaction with plant photosystem I. FEBS Letters 580:6485-6488

Application information

Recommended dilution | 1 : 1000-1 : 3000 (WB)

Expected | apparent MW | 27.8 | 23 for *Arabidopsis thaliana*

Confirmed reactivity | *Arabidopsis thaliana*, *Bryopsis corticulans*, *Hordeum vulgare*, *Spinacia oleracea*

Not reactive in | *Chlamydomonas reinhardtii*, *Physcomitrella patens*

Additional information | Protein is processed into mature form ([Jansson 1999](#)).

Urea is not recommended to use in extraction buffer and in a gel, when working with this antibody.

Selected references | [Myouga et al. \(2018\)](#). Stable accumulation of photosystem II requires ONE-HELIX PROTEIN1 (OHP1) of the light harvesting-like family. *Plant Physiol.* 2018 Feb 1. pii: pp.01782.2017. doi: 10.1104/pp.17.01782.
[Qin et al. \(2014\)](#). Isolation and characterization of a PSI-LHCI super-complex and its sub-complexes from a siphonaceous marine green alga, *Bryopsis Corticulans*. *Photosynth Res.* 2014 Sep 12.