

**Product:** Anti-Lhca2

**Product no:** AS01 006

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**Product Information**

**Antibody clonality:** Polyclonal

**Raised in:** Rabbit

**Purity:** Total IgG in PBS  
pH 7.4

**Quantity:** 200 µl

**Concentration:** 6.6 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**

The light-harvesting system of higher plant photosynthesis is composed of pigment-binding proteins belonging to the Lhc multigenic family. Lhc polypeptides are able to bind chlorophyll (Chl) a, chlorophyll (Chl) b, and xanthophyll molecules in a suitable structural and dynamic mutual arrangement, ensuring high efficiency of energy transfer processes involved in light-harvesting and photoprotection.

**Immunogen:** Synthetic peptide chosen from Lhca2 protein of *Arabidopsis thaliana* conjugated to BSA.

**Application information:**

**Western Blot:** 1:2 000 to 1: 5 000(ECL system)

**Reactivity:** *Arabidopsis thaliana*, barley, groundnut, pea, spinach, *Chlamydomonas reinhardtii*, *Pinus banksiana* (two bands detected at 24 and 30 kDa. Higher band is not consider to be Lhc protein)

**MW of target protein:** 26 kDa

**References:** Ganeteg U. et al. (2001). The properties of the chlorophyll a/b-binding proteins Lhca2 and Lhca3 studies in vivo using antisense inhibition. *Plant Physiol* 127:150-158.

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

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Distributor



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