

Product no **AS19 4367****Anti-Lhcx (P. tricornutum)****Product information**

<b>Immunogen</b>	KLH-conjugated peptide derived from C-terminal sequence of Lhcx protein from <i>Phaeodactylum tricornutum</i> . 14 (Lhcx1, Lhcx3), 13 (Lhcx2), and 12 (Lhcx4) out of 15 amino acids long peptide used to elicit this antibody is contained specifically in the C-terminus of the respective Lhcx proteins in <i>P. tricornutum</i>
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Serum
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µl
<b>Reconstitution</b>	For reconstitution add 50 µl of sterile water
<b>Storage</b>	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.
<b>Additional information</b>	This item can be sold containing ProClin

**Application information**

<b>Recommended dilution</b>	1 : 10 000 (WB)
<b>Expected   apparent MW</b>	Lhcx1: 21.95   16 kDa, Lhcx2: 24.73   22 kDa, Lhcx3: 22.24   17-18 kDa, Lhcx4: 22.86   17-18 kDa. However, based on other marker and gel systems, Lhcx1 and Lhcx3/4 may also appear at 18 and 19-20 kDa.
<b>Confirmed reactivity</b>	<i>Phaeodactylum tricornutum</i>
<b>Predicted reactivity</b>	<i>Cyclotella cryptica</i> , <i>Cytocella meneghiniana</i> , <i>Durinskia baltica</i> , <i>Fragilariopsis cylindrus</i> , <i>Thalassioria pseudonana</i> , <i>Pseudo-nitzschia multistriata</i> , <i>Vitrella brassicaformis</i> CCMP3155 Species of your interest not listed? <a href="#">Contact us</a>
<b>Selected references</b>	<a href="#">Buck et al. (2021)</a> Identification of sequence motifs in Lhcx proteins that confer qE-based photoprotection in the diatom <i>Phaeodactylum tricornutum</i> . Plant J. 2021 Dec;108(6):1721-1734. doi: 10.1111/tpj.15539. Epub 2021 Nov 3. PMID: 34651379. <a href="#">Buck et al. (2019)</a> . Lhcx proteins provide photoprotection via thermal dissipation of absorbed light in the diatom <i>Phaeodactylum tricornutum</i> . Nat Commun. 2019 Sep 13;10(1):4167. doi: 10.1038/s41467-019-12043-6.