Agrisera
Part of Olink® Group

This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no AS19 4367

Anti-Lhcx (P. tricornutum)

Product information

Immunogen	KLH-conjugated peptide derived from C-terminal sequence of Lhcx protein from *Phaeodactylum tricornutum*. 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 *P. tricornutum*
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 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	This item can be sold containing ProClin

Application information

Recommended dilution	1 : 10 000 (WB)
Expected | apparent MW	Lhcx1: 21.95 | 16 kDa, Lhcx2: 24.73 | 22 kDa, Lhcx3: 22.24 | 17-18 kDa, Lhc4: 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.
Confirmed reactivity	*Phaeodactylum tricornutum*
Predicted reactivity	*Cyclotella cryptica, Cytocella meneghiniana, Durinskia baltica, Fragilariopsis cyclindrus, Thalassioria pseudonana, Pseudo-nitzschia multistriata, Vitrella brassicaformis CCMP3155* Species of your interest not listed? Contact us
Selected references	Buck et al. (2021) Identification of sequence motifs in Lhcx proteins that confer qE-based photoprotection in the diatom Phaeodactylum tricornutum. Plant J. 2021 Dec;108(6):1721-1734. doi: 10.1111/tpj.15539. Epub 2021 Nov 3. PMID: 34651379. Buck et al. (2019). Lhcx proteins provide photoprotection via thermal dissipation of absorbed light in the diatom Phaeodactylum tricornutum. Nat Commun. 2019 Sep 13;10(1):4167. doi: 10.1038/s41467-019-12043-6.