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 AS12 1875

Anti-CrPDAT1 | Phospholipid: diacylglycerol acyltransferase

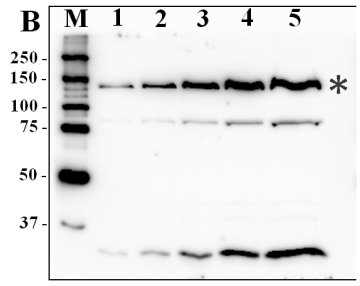
Product information

Immunogen	Recombinant CrPDAT1 without transmembrane domains, overexpressed in *E.coli*,
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	350 µl
Reconstitution	For reconstitution add 350 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.

Application information

Recommended dilution	1 : 250 (WB) load per well up to 30 µg
Expected | apparent MW	140 kDa
Confirmed reactivity	*Chlamydomonas reinhardtii*
Predicted reactivity	*Chlamydomonas reinhardtii*
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Yoon et al (2012). Phospholipid:Diacylglycerol Acyltransferase Is a Multifunctional Enzyme Involved in Membrane Lipid Turnover and Degradation While Synthesizing Triacylglycerol in the Unicellular Green Microalga Chlamydomonas reinhardtii. Plant Cell, Oct 2012.

application example



Total proteins (containing 2.5 to 30 ug) from *Chlamydomonas* cells extracted with lysis buffer (50 mM Tris-HCl, pH 6.8, containing 2% SDS and 10 mM EDTA and a protease inhibitor cocktail) were separated on 10 % SDS-PAGE and transferred onto a nitrocellose blot over night at 4°C. Blots were blocked with blocking buffer (5% (w/v) non-fat dry milk powder in TBS-T) for 2 hrs at room temperature (RT) with agitation. Blot was incubated in the primary antibody (ΔTMCrPDAT) at a dilution of 1:250 over night at 4°C with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then whashed 5 times for 15 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, from Bio-Rad) diluted to 1:5000 in the same buffer for 1h at RT with agitation. The blot was washed as above and developed for 5 min with Chemiluminescence detection kit (Bio-Rad) according to the manufacturers instructions. An imaging system (ChemiDoc XRS; Bio-Rad) was used to quantitatively and qualitatively analyze protein blot. Exposure time was 30 seconds.

Courtesy of Dr. Kangsup Yoon, Arizona State University.