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**Product no** AS12 1875

# CrPDAT1 | Phospholipid: diacylglycerol acyltransferase

## Product information

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|---|---|
| **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

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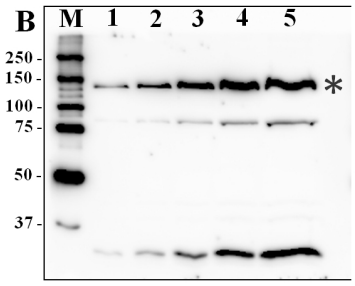
|---|---|
| **Recommended dilution** | 1 : 250 (WB) load per well up to 30 ug |
| **Expected \| apparent MW** | 140 kDa |
| **Confirmed reactivity** | *Chlamydomonas reinhardtii* |
| **Predicted reactivity** | *Chlamydomonas reinhardtii* |
| **Not reactive in** | No confirmed exceptions from predicted 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.