

# Anti-Acyl-CoA-binding domain-containing protein 6 antibody

Catalog: PHY0812A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	ACBP6 is a small 10-kD acyl-coenzyme A-binding protein. It binds acyl-CoA esters and protects acyl-CoAs from degradation by microsomal acyl-hydrolases. In Arabidopsis, there are six forms of ACBPs, These include ACBP1 (AT5G53470), ACBP2 (AT4G27780), ACBP3 (AT4G24230), ACBP4 (AT3G05420), ACBP5 (AT5G27630), ACBP6 (AT1G31812).
<b>Synonyms:</b>	ACBP6, ACBP, ACYL-COA-BINDING PROTEIN, ACYL-COA-BINDING PROTEIN 6, ATACBP6
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (13 aa from C terminal section) derived from <i>Arabidopsis thaliana</i> ACBP6 (AT1G31812).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Immunogen affinity purified
<b>Reconstitution:</b>	Reconstitution with 150 µl of 0.01 M sterile PBS. "Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".
<b>Stability &amp; Storage:</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 6 months, -20 to -70°C under sterile conditions after reconstitution. 1 month, 2 to 8°C under sterile conditions after reconstitution.
<b>Shipping:</b>	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

## Application Information

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected / apparent MW:</b>	10 kDa

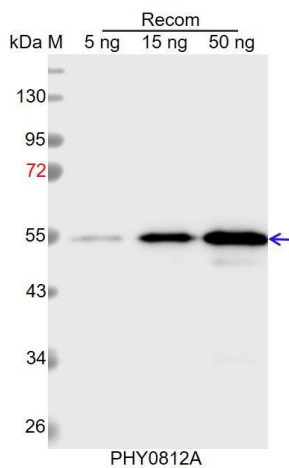
Research Use Only

### Predicted Reactivity:

Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Vitis vinifera*, *Gossypium raimondii*, *Setaria viridis*, *Solanum lycopersicum*, *Solanum tuberosum*, *Nicotiana tabacum*, *Sorghum bicolor*, *Zea mays*, *Oryza sativa*, *Panicum virgatum*, *Populus trichocarpa*, *Medicago truncatula*.

For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).

### Application Example



Recom: 5 ng, 15 ng and 50 ng recombinant protein containing the peptide for immunization and having a molecular mass of 55 kDa.

**Electrophoresis:** 12% SDS-PAGE

**Transfer:** blotting to NC (nitrocellulose) membrane for 1 h.

**Blocking:** 5% skim milk at RT or 4°C for 1 h.

**Primary antibody:** 1:1000 dilution overnight at 4°C.

**Secondary antibody:** 1:10000 dilution using Goat Anti-Rabbit IgG H&L (HRP) (Cat# PHY6000).

**Detection:** using chemiluminescence substrate and image were captured with CCD camera.