Order: (888)-282-5810 (Phone)
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PEPC (N) Antibody, Rabbit Polyclonal

Cat#: R3356-1 | **Lot#: Refer to vial**

Quantity: 100 ul | **Application: WB**

Predicted I Observed M.W.: 110 I 125 kDa | **Uniprot ID: Q84VW9**

Background:

Phosphoenolpyruvate carboxylase (PEPC) is also known as Phosphoenolpyruvate carboxylase 3 (PPC3), which is a cytosolic PEPC that has activity when expressed in E.coli. Its mRNA is most abundantly expressed in roots and siliques. PEPC belongs to the plant-type PEPC family. It can form an enzymatically active complex with a castor bean ortholog of PPC4, which encodes a bacterial-type PEPC. PEPC is often used as a marker for the cytoplasmic protein fraction.

Other Names:

Phosphoenolpyruvate carboxylase 3, AtPPC3, PEPC 3, PEPCase 3, PPC3, PPC

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of *arabidopsis thaliana* PEPC (At3g14940). Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN_3. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Arabidopsis thaliana

Tested Applications:

WB: 1:500-1:2,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

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Product Data:

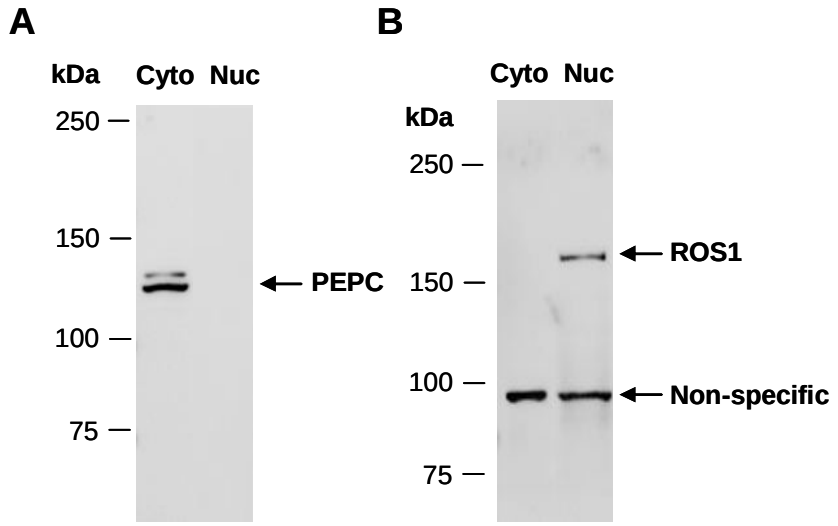

Fig 1. A) *Western blot analysis of equal amounts of cytoplasmic (cyto) and nuclear (nuc) proteins prepared from wild type arabidopsis leaves, using anti-PEPC (N) (R3356-1) at RT for 2 h.* ***B)*** *The same filter was re-probed with anti-ROS1 (C) (R3288-2) at RT for 2 h. ROS1 is a nuclear protein.*

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