Datasheet for ABIN619539

anti-Phosducin antibody

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	Phosducin (PDC)
Reactivity:	Oryza sativa, Zymomonas mobilis, Arabidopsis thaliana
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Phosducin antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH-conjugated peptide derived from available PDC sequences including Arabidopsis thaliana
Cross-Reactivity (Details):	Not reactive in: no confirmed exceptions from predicted reactivity known in the moment
Predicted Reactivity:	Brassica napus, Chlamydomonas reinhardtii, Hordeum vulgare, Glycine max, Pisum sativum, Solanum tuberosum, Sorghum bicolor, Ricinus communis, Zea mays, Vitis vinifera
Characteristics:	Expected / apparent Molecular Weight of the Antigene: 65 / 65 kDa (Arabidopsis thaliana)
Purification:	serum

Target Details

Target:	Phosducin (PDC)
Alternative Name:	PDC (PDC Products)
Background:	Pyruvate decarboxylase (PDC) is a homotetrameric enzyme (E.C.4.1.1.1) that catalyses the

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Target Details

	decarboxylation of pyruvic acid to acetaldehyde carbon dioxide in the cytoplasm. It is also called 2-oxo-acid carboxylase, and pyruvic decarboxylase. In anaerobic conditions, this enzyme is part of the fermentation process that occurs in yeast, especially the Saccharomyces genus, to produce ethanol by fermentation. Pyruvate decarboxylase starts this process by converting pyruvate into acetaldehyde and carbon dioxide. Pyruvate decarboxylase depends on cofactors thiamine pyrophosphate (TPP) and magnesium. This enzyme should not be mistaken for the unrelated enzyme pyruvate dehydrogenase, an oxidoreductase (EC 1.2.4.1), that catalyzes the oxidative decarboxylation of pyruvate to acetyl-CoA.
Molecular Weight:	expected: 65 kDa, apparent: 65 kDa (Arabidopsis thaliana)

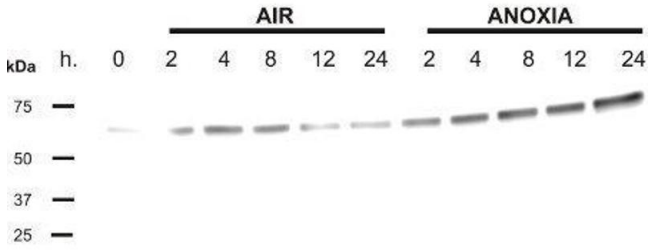
Application Details

Application Notes:	1: 10 000 with standard ECL (WB)
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	For reconstitution add 100 µL of sterile water
Storage:	-20 °C
Storage Comment:	store lyophilized/reconstituted at -20°C, once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.

Images



Western Blotting

Image 1.

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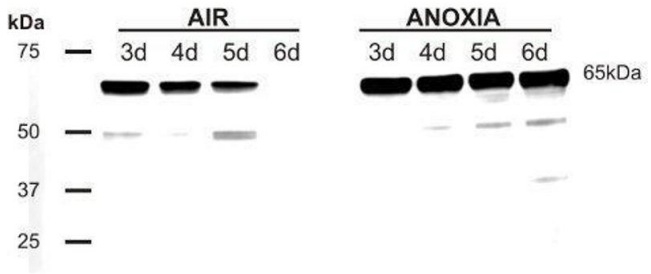

Western Blotting

Image 2.

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