



## Anti-Rubisco (Large Chain) Monoclonal Antibody (9Y6)

Cat #: A01110

Size: 50µl/200µl/200µl×5

### Product Information

	<b>Product Name:</b> Anti-Rubisco (Large Chain) Monoclonal Antibody (9Y6)		
	<b>Applications:</b> WB		<b>Isotype:</b> Mouse IgG
	<b>Reactivity:</b> Arabidopsis, Brassica napus, Rice, Soybean		
<b>REF</b>	<b>Catalog Number:</b> A01110	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Formulation:</b> Liquid		<b>Concentration:</b> 1 mg/ml
	<b>Storage:</b> Store at -20°C. Avoid repeated freeze / thaw cycles.		<b>Note:</b> Contain sodium azide.

**Background:** Rubisco (Ribulose-1,5-bisphosphate carboxylase/oxygenase) catalyzes the rate-limiting step of CO<sub>2</sub> fixation in photosynthetic organisms. It is demonstrably homologous from purple bacteria to flowering plants and consists of two protein subunits, each present in 8 copies. In plants and green algae, the large subunit (~55 kDa) is coded by the chloroplast *rbcl* gene, and the small subunit (15 kDa) is coded by a family of nuclear *rbcS* genes.

**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:2000-1:5000).

**Storage Buffer:** Liquid in PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.

**Storage Instructions:** Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

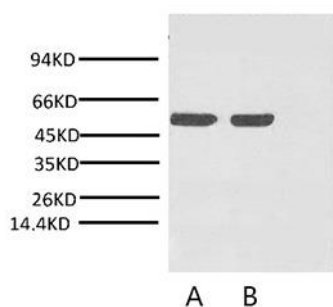


Fig. Western blot analysis of Arabidopsis with Rubisco (Large Chain) monoclonal antibody at 1:2000 (lane A) and 1:5000 (lane B) dilutions, separately.

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