



# Rubisco (Large Chain) Monoclonal Antibody(3G7)

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No                | BYab-04840                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Isotype                   | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Reactivity                | Plants                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Applications              | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Name                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Protein Name              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen                 | Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Specificity               | Rubisco(Large Chain) protein detects endogenous levels of Rubisco(Large Chain)                                                                                                                                                                                                                                                                                                                                                                                      |
| Formulation               | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                             |
| Source                    | Monoclonal, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Purification              | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                                                                                                                                                          |
| Dilution                  | WB 1:2000-5000                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Concentration             | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purity                    | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Storage Stability         | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Synonyms                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Observed Band             | 53kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Cell Pathway              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Tissue Specificity        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Function                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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. |
| matters needing attention | Avoid repeated freezing and thawing!                                                                                                                                                                                                                                                                                                                                                                                                                                |

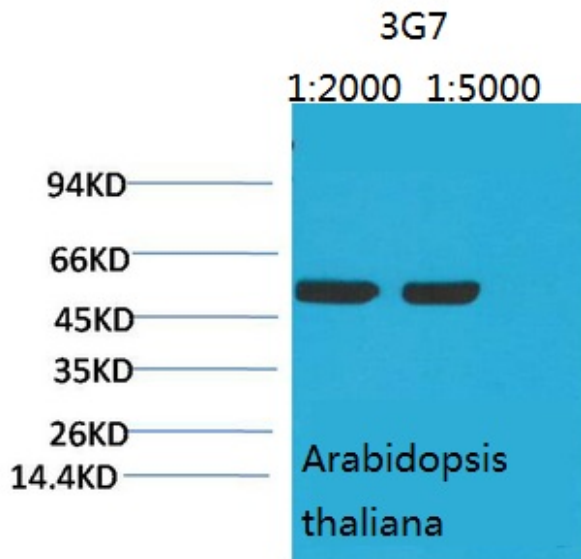
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### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

### Products Images



Western blot analysis of Arabidopsis with  
Rubisco(Large Chain) Mouse mAb diluted at  
1)1:2,000 2)1:5,000

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