Anti-2S3M (2S3 Albumin) (At) antibody, rabbit polyclonal

Product code	81-122
Size	200 µg
Storage	-20℃
Concentration	2.0 mg/ml
Buffer	PBS- with 50% glycerol
Purity	Purified IgG fraction with protein A from rabbit antiserum.
Immunogen	Synthetic peptide (C)AARAVSLQGQHGPFQSRKIY, whose sequence is derived from the large subunit of Arabidopsis 2S3 albumin.
Isotype	Rabbit IgG
Reactivity	*A. thaliana* 2S albumin (precursor and large subunit). Not tested in other species
Special notes	N/A
Application	1. Western blotting (1/10,000～1/20,000) 2. Immuno-electron microscopy (1/500) 3. ELISA (Assay dependent)
Background	2S seed storage protein 3, one of major seed storage proteins is synthesized on the endoplasmic reticulum as precursor and then transported to storage vacuoles, where it is processed by an asparaginyl endopeptidase to produce two mature polypeptides referred to as large and small subunits which are linked by disulfide bonds Subcellular location: Vacuole
Data Link	UniProtKB:P15459 (2SS3_ARATH)

Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.

BioAcademia,Inc. Tel. 81-6-6877-2335 Fax. 81-6-6877-2336 info@bioacademia.co.jp https://www.bioacademia.co.jp/en/

Data Images: 81-122 Anti-2S3M (2S3 Albumin, At) antibody, rabbit polyclonal

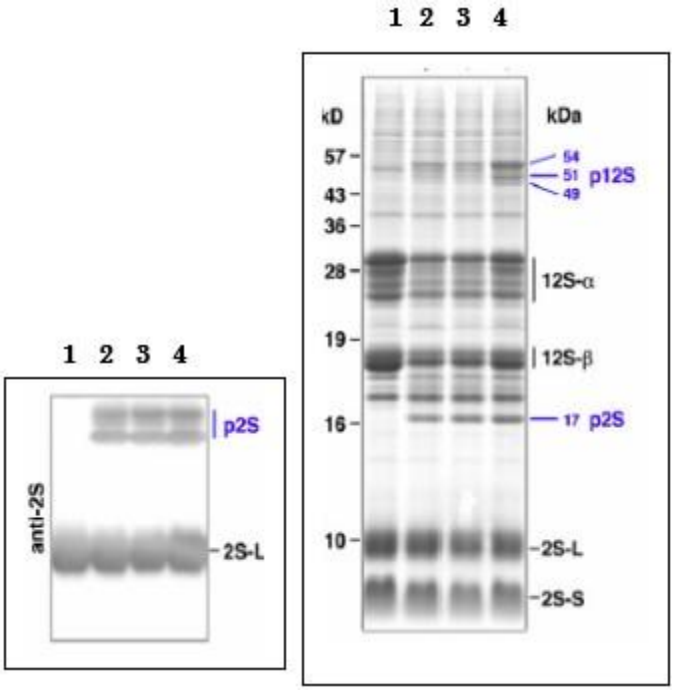

Fig.1 Western Blot of the precursor 2S albumin and the 2S large subunit of the mature form in extract of arabidopsis dry seeds.

Samples

1.:Wild type

2~4:Mutants that accumulate the precursors of major storage proteins

(mag5-1, mag2-1, and mag4-1)

Left panel:Western blot with anti-At 2S3M antibody (1/2,500 dilution).

Right panel: SDFS-PAGE of extraxts of dry seeds.

p2S (Precursor of 2S), 2S-L (Large subunit of 2S)

References: This antibody has been used in the following publications.

1.Takagi J., et al. MAIGO5 functions in protein export from Golgi-associated endoplasmic reticulum exit sites in Arabidopsis. Plant Cell. 2013 Nov;25(11):4658-75.

PMID:24280388 **WB, Immunoelectron Microscopy (Arabidopsis)**

Related products

81-121 Anti-2S3P (2S Albumin precursors, At) antibody, rabbit polyclonal

81-123 Anti-12S (12S Globulin, At) antibody, rabbit polyclonal

BioAcademia,Inc. Tel. 81-6-6877-2335 Fax. 81-6-6877-2336 info@bioacademia.co.jp https://www.bioacademia.co.jp/en/