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Product no AS20 4404

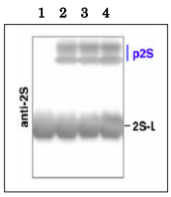
Anti-2S3M | 2S seed storage protein 3 (2S3 Albumin)

Product information

Immunogen	Conjugated peptide, derived of *Arabidopsis thaliana* 2S3 large subunit, UniProt: P15459, TAIR: At4g27160
Host	Rabbit
Clonality	Polyclonal
Purity	Total IgG. Protein A purified in PBS, 50% glycerol. Filter sterilized.
Format	Liquid at 2 mg/ml.
Quantity	200 µg
Storage	Store at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application information

Recommended dilution	Assay dependent (ELISA), 1: 500 (IL), 1: 10 000 - 1: 20 000 (WB)
Expected | apparent MW	18.7 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Capsella rubella* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Takagi et al. (2013). MAIGO5 functions in protein export from Golgi-associated endoplasmic reticulum exit sites in Arabidopsis. Plant Cell . 2013 Nov;25(11):4658-75. doi: 10.1105/tpc.113.118158. (Immunolocalisation by electron microscopy, Western blot, Arabidopsis thaliana)



Arabidopsis thaliana dry seed extract from wilde-type **(1)** and mutants that accumulate precursors of major storage proteins: *mag5-1*, *mag2-1* and *mag4-1* **(2-4)** were separated on 15-20 % SDS-PAGE and blotted to PVDF membrane in wet system. Blot was blocked with 3 % skim milk/TBS-T, 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 2500 in TBS-T for 1h/RT. The antibody solution was decanted and the blot was washed 4 times for 10 min in TBS-T at RT with agitation. Blot was incubated in matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated) diluted to 1:10 000 in for 1h/RT with agitation. The blot was washed as above and developed with a chemiluminescent detection reagent, following manufacture's recommendations.
p2S - precursor of 2S; 2S-L - large subunit of 2S