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Product no AS20 4422

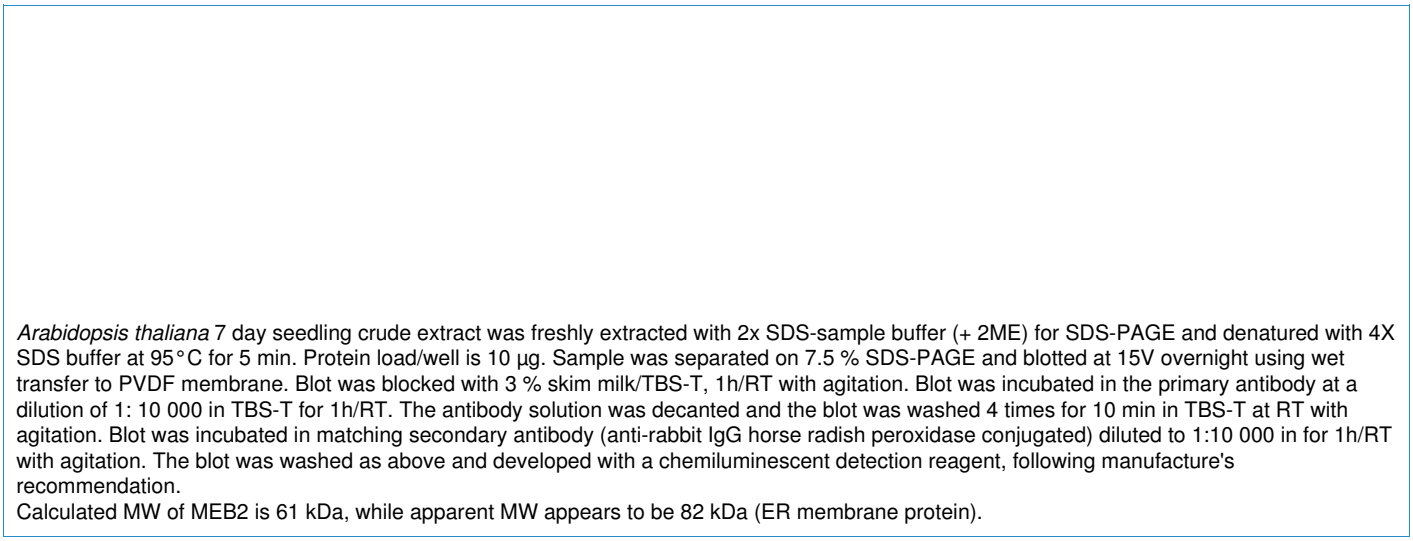
MEB2 | Membrane protein of ER body 2

Product information

Immunogen	Purified recombinant MEB2 of *Arabidopsis thaliana,* residues 1-325 with a His tag, UniProt: F4KFS7 , TAIR: At5g24290
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	1:1000 - 1: 2000 (IHC), 1: 10 000 (WB)
Expected | apparent MW	61 | 82 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Due to N-linked glycosylation at 9 asparagine residues 19-amino acids are cut of as signal peptide from N-terminus of MEB2,
Selected references	Yamada et al. (2013). Identification of two novel endoplasmic reticulum body-specific integral membrane proteins. Plant Physiol . 2013 Jan;161(1):108-20. doi: 10.1104/pp.112.207654.



Arabidopsis thaliana 7 day seedling crude extract was freshly extracted with 2x SDS-sample buffer (+ 2ME) for SDS-PAGE and denatured with 4X SDS buffer at 95°C for 5 min. Protein load/well is 10 µg. Sample was separated on 7.5 % SDS-PAGE and blotted at 15V overnight using wet transfer to PVDF membrane. 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: 10 000 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 recommendation.
Calculated MW of MEB2 is 61 kDa, while apparent MW appears to be 82 kDa (ER membrane protein).