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Product no AS20 4407

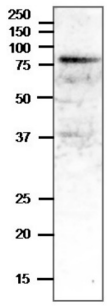
Anti-VSR1 | Vacuolar-sorting receptor 1

Product information

Immunogen	Recombinant, His6-tagged, VSR1 from *Arabidopsis thaliana,* UniProt: P93026, TAIR: At3g52850
Host	Rabbit
Clonality	Polyclonal
Purity	Total IgG. Protein A purified.
Format	Liquid at 2 mg/ml, in PBS with 50% glycerol.
Quantity	100 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: 500 (IF), 1: 1000-1: 5000 (WB)
Expected | apparent MW	68 | 80 kDa
Confirmed reactivity	*Arabidopsis thaliana, Nicotiana tabacum*
Predicted reactivity	*Brassica rapa, Capsella rubella, Camelina sativa, Eutrema salsugineum, Raphanus sativus, Tarenaya hassleriana* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Higher apparent molecular weight of VSR1 is due to three determined glycosylations and several more predicted
Selected references	Fuji et al. (2016). The Adaptor Complex AP-4 Regulates Vacuolar Protein Sorting at the trans-Golgi Network by Interacting with VACUOLAR SORTING RECEPTOR1. Plant Physiol. 2016 Jan;170(1):211-9. doi: 10.1104/pp.15.00869. (Western blot, Arabidopsis thaliana) Kunieda et al. (2013). Spatiotemporal secretion of PEROXIDASE36 is required for seed coat mucilage extrusion in Arabidopsis. Plant Cell. 2013 Apr;25(4):1355-67. doi: 10.1105/tpc.113.110072. (Western blot, Arabidopsis thaliana) Yamada et al. (2005). Endosomal proteases facilitate the fusion of endosomes with vacuoles at the final step of the endocytotic pathway. Plant J. 2005 Mar;41(6):888-98. doi: 10.1111/j.1365-313X.2005.02349.x. (Immunofluorescence, Nicotiana tabacum)



Arabidopsis thaliana maturing siliques was freshly extracted to a crude extract with 2x SDS-sample buffer (+ 2ME) for SDS-PAGE and denatured with 4X SDS buffer at 95°C for 5 min. were separated on 12.5 % 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: 2000 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.