Table S1

Primers used in this study

Quantitative RT-PCR

At1g70330,	AtENT1-f 5’-GCCGGAGAGGTATATGCAAG-3’
and	AtENT1-r 5’-TAACAACAATCCCCACAGCA-3’
At3g09990,	AtENT2-f 5’-CGGAATAGACATATGTTAGCTCATG-3’
and	AtENT2-r 5’-GTAGTGTTGCCTATTGTTTGACCAG-3’
At4g05120,	AtENT3-f 5’-GGTTACAAGCAAAGAATATGAAAGC-3’
and	AtENT3-r 5’-GGTCCGGAGCAGAATGCGTT-3’
At4g05130,	AtENT4-f 5’-TAATTGCACAAAATCTCGAGAACTCAG-3’
and	AtENT4-r 5’-GGTCCGGAGCAGAATGCGTT-3’
At4g05140,	AtENT5-f 5’-GAGGTGTCAGCACAGGAAAGACTT-3’
and	AtENT5-r 5’-GTTCTCATCAGCAATAGTTTCACA-3’
At4g05110,	AtENT6-f 5’-TGGGACAAAAATAATGTCTG-3’
and	AtENT6-r 5’-GGTCCGGAGCAGAATGCGTT-3’
At1g61630,	AtENT7-f 5’-TGGATGCTTTTCCTCACCTC-3’
and	AtENT7-r 5’-GCGAAGATCCCTCCCAATAG-3’
At1g02630,	AtENT8-f 5’-GCATGTCTACGTGGACCAAA-3’
and	AtENT8-r 5’-TAAGGTCTAGATGAGCCAGAGCCAACC-3’
At1g07930	EF1α-f 5’-GAGACCACCAAGTACTACTGCAC-3’
and	EF1α-r 5’-GTTGGTCCCTTGTACCAGTCAAG-3’

Promoter-GUS constructs

ENT1, GUS1-f 5'- CTCTGCCATCCGGAAGCTTCTAGCAAAGCCG-3'

GUS1-r 5'- AGAAGTCTCCGCCCGGGCTTCCGAGTCAG-3'

ENT1-RNAi

TM 188 5`-GACCACCCTCGAGAAATCCGCCGG-3`

TM 189 5`-CATCGAATTCGGCGTATAATCCGACC-3`

TM 190 5`-GACCACCATCTAGAAATCCGCCGG-3`

TM 191 5`-CATCGGATCCGGCGTATAATCCGACC-3`

35S:ENT1

TM 342 5`-GAGAGAAACTCGAGAAATTCAAATGACC-3`

TM 343 5`-GATAACAAAGCTTTTCTAGAATCAAATGACC-3`

LB3 5'-TAGCATCTGAATTTCATAACCAATCTCGATACAC-3'

LB335 5'-ACTCAACCCTATCTCGGGCTATTC-3'

TM45 5'-GGGCGATTGGTATGCAACATT-3'

TM46 5'- GCGAAGATCCCTCCCAATAG-3'

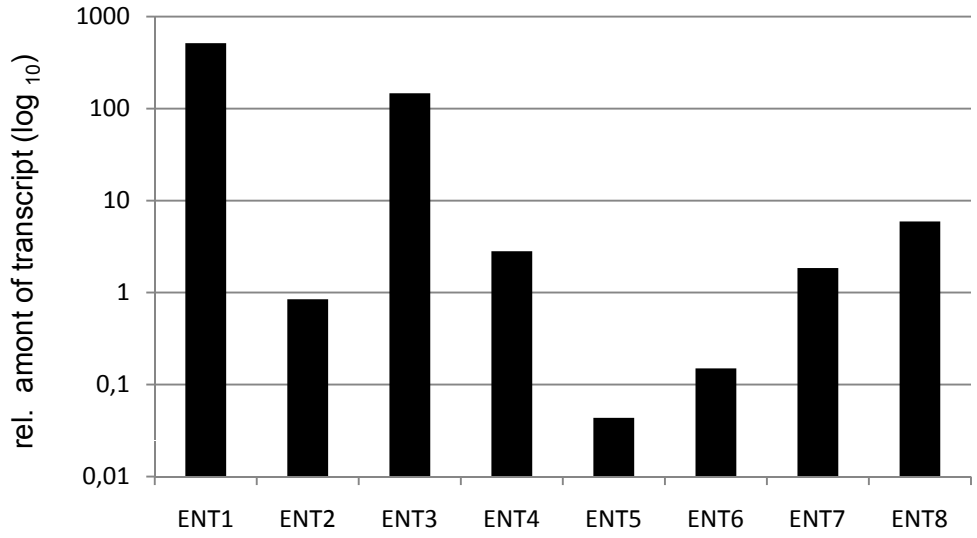

Fig. S1

Expression level of Arabidopsis equilibrative nucleoside transporter genes (*ENT*) in 10 days old, whole seedlings grown in liquid medium. The transcript levels of all eight *ENT* isoforms were determined by quantitative RT-PCR using gene specific primers. Transcript levels are calculated relative to the housekeeping gene “elongation factor 1α (EF1α)”. Data are the mean of four independent experiments. Standard errors are below 10%.

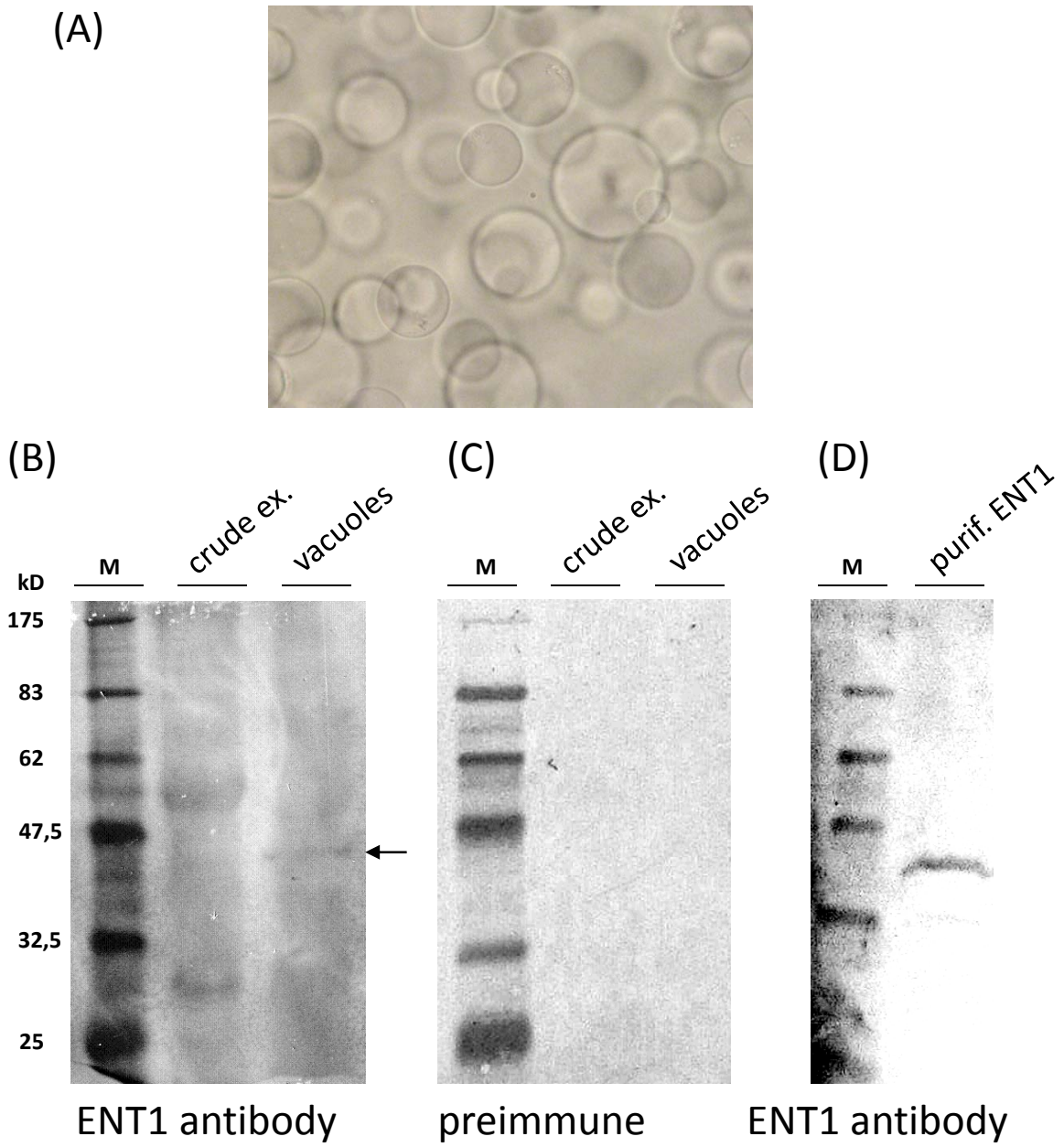

Fig. S2

Light micrographic image of isolated vacuoles from Arabidopsis and immunodetection of ENT1 in these vacuolar preparations. (A) Light micrographic image of isolated vacuoles at 400-fold magnification (B) Arabidopsis crude extract and vacuolar preparation, probed with ENT1-scpecific polyclonal antiserum. Arrow indicates recognition of a band at appr. 49 kDa. C, pre immune control to B; (D) Detection of ENT1 in expressed in E. coli and after affinity purification with the ENT1-scpecific polyclonal antiserum used in B.