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Product no AS20 4406

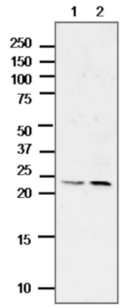
ALEU | Thiol protease aleurain

Product information

Immunogen	Recombinant, His6-tagged, ALEU protein from *Arabidopsis thaliana,* UniProt: Q8H166, TAIR: At5g60360
Host	Rabbit
Clonality	Polyclonal
Purity	Total IgG. Protein A purified in PBS, 50% glycerol. Filter sterilized.
Format	Liquid at 2 mg/ml.
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: 1000 - 1: 4000 (WB)
Expected | apparent MW	38,9 | 24 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Brassica oleracea, Camelina sativa, Capsella rubella, Eutrema salsugineum, Raphanus sativus* 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. 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. (Western blot, Arabidopsis thaliana) Ueda et al. (2006). AtVAM3 is required for normal specification of idioblasts, myrosin cells. Plant Cell Physiol. 2006 Jan;47(1):164-75. doi: 10.1093/pcp/pci232. (Western blot, Arabidopsis thaliana)



Arabidopsis thaliana crude extract was prepared from 7 day-old seedlings **(1)** 19 day-old seedlings **(2)** which were 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 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: 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.

The ALEU protein is synthesized as preproprotein with 39 kDa, the signal peptide of 21 amino acids is removed and the propeptide of N-terminal 119 amino acids are removed and not present in the mature, functional protein. The size of apparent molecular mass analyzed by Western blot is therefore 24 kDa.