

Product no **AS19 4278****Anti-ATG12b | Autophagy-related protein 12b****Product information**

Immunogen	Recombinant, full-length ATG12b of <i>Arabidopsis thaliana</i> protein sequence UniProt: Q9LVK3-1 , TAIR: At3g13970
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	50 µl
Reconstitution	For reconstitution add 50 µl, of sterile water
Storage	Store lyophilized/reconstituted at -20°C (short term, months) or at -80°C (long term, years) ; 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 : 3000 (WB)
Expected apparent MW	10.4 12 and 50 kDa in wild type plants and 12 kDa in some autophagy-deficient mutants
Confirmed reactivity	<i>Arabidopsis thaliana</i>
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	This antibody may also recognise ATG12a; in wild-type, ATG12 is also conjugated to ATG5
Selected references	Chung et al. (2010) . ATG8 lipidation and ATG8-mediated autophagy in Arabidopsis require ATG12 expressed from the differentially controlled ATG12A AND ATG12B loci. Plant J. 2010 May;62(3):483-93. doi: 10.1111/j.1365-313X.2010.04166.x.