

Product no **AS19 4276****Anti-ATG5 | Autophagy protein 5****Product information**

Immunogen	Full-length, recombinant ATG5 of <i>Arabidopsis thaliana</i> protein sequence UniProt: Q9FFI2-1 , TAIR: At5g17290 , overexpressed in <i>E.coli</i>
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	38.5 50 kDa (in wild type plants) and ca. 38 kDa in autophagy defective mutants
Confirmed reactivity	<i>Arabidopsis thaliana</i>
Predicted reactivity	<i>Solanum lycopersicum</i> , <i>Solanum tuberosum</i>
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	In wild-type plants almost all ATG5 is conjugated to ATG12. This item can be sold containing ProClin
Selected references	Thompson et al. (2005). Autophagic nutrient recycling in Arabidopsis directed by the ATG8 and ATG12 conjugation pathways. Plant Physiol. 2005 Aug;138(4):2097-110.