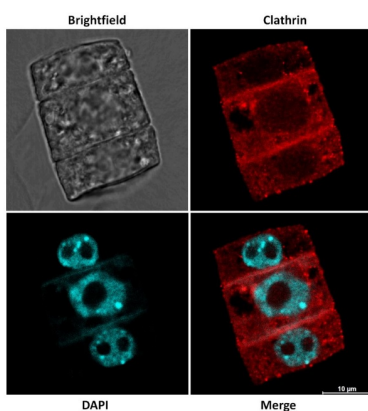


Product no **AS10 690-DL594****Clathrin heavy-chain 1,2, DyLight® 594 conjugated (40 µg)****Product information**

Immunogen	KLH-conjugated peptide derived from available plant clathrin heavy chain sequences including <i>Arabidopsis thaliana</i> clathrin heavy chain 1 UniProt: Q0WNJ6 , TAIR: At3g11130 , clathrin heavy chain 2 UniProt: Q0WLB5 , TAIR: At3g08530
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum, in PBS pH 7.4, conjugated to DyLight® 594.
Format	Liquid in PBS pH 7.4.
Quantity	40 µg
Storage	Store at 4°C for 12-18 months, A preservative may be added for long time storage up to 2 years. Spin briefly the tube before use.
Additional information	DyLight® 594 has Amax = 593 nm, Emax = 618 nm. DyLight® is a registered trademark of ThermoFisher Inc., and its subsidiaries.

Application information

Recommended dilution	To be determined by end user.
Expected apparent MW	193 170 kDa (<i>Arabidopsis thaliana</i>)
Confirmed reactivity	<i>Zea mays</i>
Predicted reactivity	<i>Amborella trichopoda</i> , <i>Arabidopsis thaliana</i> , <i>Brassica napus</i> , <i>Capsella rubella</i> , <i>Chlamydomonas reinhardtii</i> , <i>Citrus aurantium</i> var. <i>sinensis</i> , <i>Eucalyptus grandis</i> , <i>Glycine max</i> , <i>Chlorella variabilis</i> , <i>Leucaena glauca</i> , <i>Lotus japonicus</i> , <i>Medicago tribuloides</i> , <i>Mimulus guttatus</i> , <i>Musa malaccensis</i> , <i>Nicotiana tabacum</i> , <i>Oryza sativa</i> , <i>Panicum italicum</i> , <i>Physcomitrium patens</i> , <i>Phaseolus vulgaris</i> , <i>Pisum sativum</i> , <i>Populus balsamifera</i> , <i>Populus trichocarpa</i> , <i>Ricinus communis</i> , <i>Selaginella moellendorffii</i> , <i>Sisymbrium salsugineum</i> , <i>Solanum lycopersicum</i> , <i>Theobroma cacao</i> , <i>Triticum aestivum</i> , <i>Vitis vinifera</i> , <i>Zea mays</i> .
	Species of your interest not listed? Contact us
Not reactive in	<i>Nicotiana benthamiana</i>
Selected references	To be added when available. Antibody released in May 2023.

**Material:** *Zea mays* hybrid variety**Preparation**

5 days-old germinating maize root tips were cut and fixed with 4% formaldehyde, 60 min, RT. Cell walls were digested with enzymes cellulase and pectinase in MESbuffer for 90 min, RT. After washing with PBS, roots were squashed gently using a flat tip forceps to release the cells into PBS buffer. Cells were allowed to settle O/N at 4°C, followed by immunolocalization.

Immunocytochemistry (ICC)

Cells were permeabilized with 0.5% Triton X-100, 10 min, RT, followed by washing with PBS buffer before blocking with 5% fish gelatin-PBS, 30

min, RT.

Detection antibody: Cells were incubated with rabbit anti-clathrin 1,2 primary antibodies conjugated with DyLight®594 ([AS10 690-DL594](#), Agrisera) for 3h/RT in the dark at 1:100 dilution. Nuclei were stained with DAPI followed Fluoromount-G mounting (Southern Biotech).

Courtesy of Dr. Ferhan Ayaydin and Dr. Divya Teja Dondapati, Hungarian Centre of Excellence for Molecular Medicine, (HCEMM), Szeged, Hungary.