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This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

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Product no AS10 690-DL594

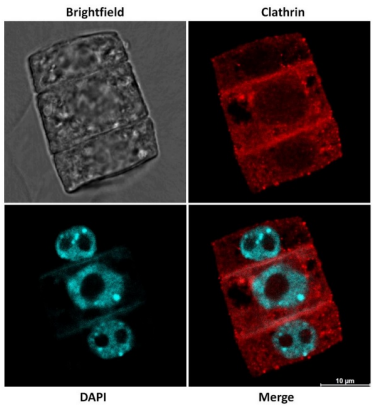
Anti-Clathrin heavy-chain 1,2, DyLight® 594 conjugated (40 µg)

Product information

Immunogen	KLH-conjugated peptide derived from available plant clathrin heavy chain sequences including *Arabidopsis thaliana* 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 (*Arabidopsis thaliana*)
Confirmed reactivity	*Zea mays*
Predicted reactivity	*Amborella trichopoda, Arabidopsis thaliana, Brassica napus, Capsella rubella, Chlamydomonas reinhardtii, Citrus aurantium* var. *sinensis*, *Eucalyptus grandis*, *Glycine max*, *Chlorella variabilis*, *Leucaena glauca*, *Lotus japonicus*, *Medicago tribuloides*, *Mimulus guttatus*, *Musa malaccensis*, *Nicotiana tabacum*, *Oryza sativa, Panicum italicum, Physcomitrium patens, Phaseolus vulgaris, Pisum sativum, Populus balsamifera, Populus trichocarpa, Ricinus communis, Selaginella moellendorffii, Sisymbrium salsugineum, Solanum lycopersicum, Theobroma cacao, Triticum aestivum, Vitis vinifera, Zea mays.* Species of your interest not listed? Contact us
Not reactive in	*Nicotiana benthamiana*
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

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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.