

product **AS05 091**
Xet | xyloglucan endotransglucosylase

product information

background	Xyloglucan endotransglucosylases (Xet) are a class of enzymes capable of catalyzing the molecular grafting between xyloglucans and/or the endotype hydrolysis of a xyloglucan molecule in plant cell wall.
immunogen	recombinant Xet protein derived from <i>Populus tremula</i> x <i>tremuloides</i> sequence <u>A2TEJ3</u>
antibody format	hen polyclonal total IgY in PBS pH 8.0+ 0.02% sodium azide liquid
quantity	200 µl,
storage	store at 4 °C; make aliquots to avoid working with a stock. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from liquid material adhering to the cap or sides of the tubes.
tested applications	western blot (WB)
additional information	No signal was so far obtained from the transmission electron microscopy. This antibody has not been used in western blot

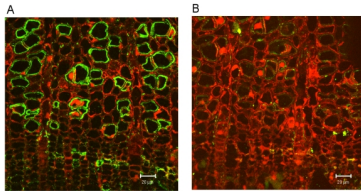
application information

recommended dilution	1: 1000 (IHC), light microscopy working dilution 1: 10.
expected apparent MW	31.9 kDa
confirmed reactivity	<i>Populus tremula</i> x <i>Populus tremuloides</i>
predicted reactivity	dicots including <i>Arabidopsis thaliana</i> , <i>Asparagus officinalis</i> , <i>Cucumis melo</i> , <i>Cucumis sativum</i> , <i>Malus sylvestris</i> , <i>Solanum lycopersicum</i>
not reactive in	no confirmed exceptions from predicted reactivity known in the moment
additional information	total IgY antibody concentration 2.15 µg/ µl
selected references	<u>Bourquin</u> et al. (2002). Xyloglucan endotransglycosylases have a function during the formation of secondary cell walls of vascular tissues. Plant Cell 14: 3073-3088.

This product is **for research use only** (not for diagnostic or therapeutic use)

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A. This section was treated with hen anti-Xet16A antibodies followed with incubation with anti-hen antibodies conjugated to FITC.

B. This section was treated with hen anti-XET16A antibodies which were pre-adsorbed with the recombinant XET16A protein for 30 min before application, and then with the secondary anti-hen antibodies conjugated to FITC.

Bourquin et al. (2002). Xyloglucan endotransglycosylases have a function during the formation of secondary cell walls of vascular tissues. Plant Cell 14: 3073-3088. Courtesy of Dr. E.J. Mellerowicz.