

Product: Anti- XTH-Xet
(Xyloglucan xyloglucosyl transferases/hydrolases)

Product no: AS08 319

Product Information

Antibody clonality: Polyclonal

Raised in: Rabbit

Purity: Serum

Quantity: 100 µl

Antibody form: Lyophilized. For reconstitution please add 100 µl of sterile water.

Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from liquid or lyophilized material adhering to the cap or sides of the tubes.

Storage instructions: -20°C or -80°C long Term storage (years). Please, avoid freezing and thawing of antibodies. Make aliquots instead. Glycerol (1:1) may be added for an additional stability.

Background

Molecular interactions between wall polysaccharides, which include cellulose and a range of non-cellulosic polysaccharides such as xyloglucans and (1,3;1,4)-β-D-glucans, are fundamental to cell wall properties. These interactions have been assumed to be non-covalent in nature in most cases. A highly purified barley xyloglucan xyloglucosyl transferase HvXET5 (EC 2.4.1.207), a member of the GH16 group of glycoside hydrolases, catalyses the *in vitro* formation of covalent linkages between xyloglucans and cellulosic substrates, and between xyloglucans and (1,3;1,4)-β-D-glucans. It is possible that XETs could link different polysaccharides *in vivo*, and hence influence cell wall strength, flexibility and porosity.

Immunogen:

Two synthetic peptides from highly conserved region of *Hordeum vulgare* XET5

Locus accession number: B1P1S7

Reference: Hrmova M, Farkas V, Lahnstein J, Fincher GB (2007) A barley xyloglucan xyloglucosyl transferase covalently links xyloglucan, cellulosic substrates and (1,3;1,4)-β-D-glucans. *Journal of Biological Chemistry* 282, 12951-12962.

Application information:

expected | apparent MW: 31.5 kDa | 33 kDa

reactive in: *Hordeum vulgare* (grain) several members of the barley XTH/XET family

non-reactive in: not determined yet

Western Blot: 1: 500

ELISA: 1: 5000

Antibodies are intended for the research use only not for diagnostic or therapeutic use.

Product support: inquiry@agrisera.com, <http://www.agrisera.com>