

# Anti-AGP [JIM16]

**Catalogue number:** 157942

**Sub-type:**

**Images:**

## Contributor

**Inventor:** Paul Knox

**Institute:** University of Leeds

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-AGP [JIM16]

**Alternate name:** Arabinogalactan-protein

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** Arabinogalactan-proteins (AGP) are members of the hydroxyproline (Hyp)-rich cell wall glycoprotein superfamily and are extensively glycosylated. AGPs contains a protein backbone of varied length (5-30 kDa) with N-terminal secretory peptide followed by AGP, fasciclin (FAS) domains, and a C-terminal glycosylphosphatidylinositol (GPI) lipid anchor site. AGPs are widely distributed in plants and typically comprise only 2 to 10% protein by weight. AGPs are implicated in various aspects of plant growth and development, including root elongation, somatic embryogenesis, hormone responses, xylem differentiation, pollen tube growth and guidance, programmed cell death, cell expansion, salt tolerance, host-pathogen interactions, and cellular signalling.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:** Rat

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**  
**Formulation:**  
**Recommended controls:**  
**Bacterial resistance:**  
**Selectable markers:**  
**Additional notes:**

## Target details

**Target:** AGP

**Target alternate names:**

**Target background:** Arabinogalactan-proteins (AGP) are members of the hydroxyproline (Hyp)-rich cell wall glycoprotein superfamily and are extensively glycosylated. AGPs contains a protein backbone of varied length (5-30 kDa) with N-terminal secretory peptide followed by AGP, fasciclin (FAS) domains, and a C-terminal glycosylphosphatidylinositol (GPI) lipid anchor site. AGPs are widely distributed in plants and typically comprise only 2 to 10% protein by weight. AGPs are implicated in various aspects of plant growth and development, including root elongation, somatic embryogenesis, hormone responses, xylem differentiation, pollen tube growth and guidance, programmed cell death, cell expansion, salt tolerance, host-pathogen interactions, and cellular signalling.

**Molecular weight:**

**Ic50:**

## Applications

**Application:**  
**Application notes:**

## Handling

**Format:** Liquid  
**Concentration:**  
**Passage number:**  
**Growth medium:**  
**Temperature:**  
**Atmosphere:**  
**Volume:**  
**Storage medium:**  
**Storage buffer:**  
**Storage conditions:**  
**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:**

CancerTools.org