

Anti-Actin2 [mAb13a]

Catalogue number: 153300

Sub-type: Primary antibody

Images:

Contributor

Inventor:

Institute: University of Georgia

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Actin2 [mAb13a]

Alternate name: ACT2

Class: Monoclonal

Conjugate: Unconjugated

Description: Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. Essential component of cell cytoskeleton; plays an important role in cytoplasmic streaming, cell shape determination, cell division, organelle movement and extension growth. This is considered as one of the vegetative actins. This mouse monoclonal antibody was generated against plant actin ACT2 and recognizes subclasses 1 and 3 of vegetative plant actins (arabidopsis ACT2, 8, 11).

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Arabidopsis

Selectivity:

Host: Mouse

Immunogen: Purified ArabidopsisActin (ACT2)

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: ArabidopsisActin (ACT2)

Target alternate names:

Target background: Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. Essential component of cell cytoskeleton; plays an important role in cytoplasmic streaming, cell shape determination, cell division, organelle movement and extension growth. This is considered as one of the vegetative actins. This mouse monoclonal antibody was generated against plant actin ACT2 and recognizes subclasses 1 and 3 of vegetative plant actins (arabidopsis ACT2, 8, 11).

Molecular weight: 45 kDa

Ic50:

Applications

Application: ELISA ; IHC ; IF ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: -20° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Kandasamy et al. 2012. Plant Cell. 24(5):2041-57. PMID: 22589468. ; Plant vegetative and animal cytoplasmic actins share F \bar{n} competence for spatial development with protists. ; Kandasamy et al. 2001. Plant Cell. 13(7):1541-54. PMID: 11449050. ; One plant actin isoform, ACT7, is induced by auxin and required for normal callus formation. ; Kandasamy et al. 1999. Plant J. 18(6):681-91. PMID: 10417720. ; The late pollen-specific actins in angiosperms.

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