Anti-MCM5 [A2.2C11.H7.A11.A8]

Catalogue number: 151765
Sub-type: Primary antibody
Images:

Contributor

Inventor: Ron Laskey
Institute: University of Cambridge
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-MCM5 [A2.2C11.H7.A11.A8]

Alternate name: Minichromosome Maintenance Complex Component 5; P1-CDC46; CDC46; Minichromosome Maintenance Deficient 5 (Cell Division Cycle 46); EC 3.6.4.12

Class: Monoclonal
Conjugate: Unconjugated
Description: MCM5 (Mini Chromosome Maintainance protein-5) is structurally very similar to the CDC46 protein from S. cerevisiae, a protein involved in the initiation of DNA replication. MCM5 is a member of the MCM family of chromatin-binding proteins, which have DNA dependent ATPase motifs in their central domain. The encoded protein is upregulated in the transition from the G0 to G1/S phase of the cell cycle and may have a role in cell cycle regulation. MCM proteins 2-7 form a family of DNA helicases implicated at the initiation step of DNA synthesis. It has been reported that immunocytochemical assessment of MCM5 expression may be used as a diagnostic tool for cervical cancer and urothelial neoplasia. MCM5 expression may also be applicable in the detection of a number of other cancers including bladder, lung and oesophageal.
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype: IgG
Reactivity: Human
Selectivity:
Host: Mouse
Immunogen: His-tagged human Mcm5 (amino acids 367582)
Immunogen UNIPROT ID:

Sequence:
Growth properties:
Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Mini Chromosome Maintenance protein5 (MCM5)

Target alternate names:

Target background: MCM5 (Mini Chromosome Maintainance protein-5) is structurally very similar to the CDC46 protein from S. cerevisiae, a protein involved in the initiation of DNA replication. MCM5 is a member of the MCM family of chromatin-binding proteins, which have DNA dependent ATPase motifs in their central domain. The encoded protein is upregulated in the transition from the G0 to G1/S phase of the cell cycle and may have a role in cell cycle regulation. MCM proteins 2-7 form a family of DNA helicases implicated at the initiation step of DNA synthesis. It has been reported that immunocytochemical assessment of MCM5 expression may be used as a diagnostic tool for cervical cancer and urothelial neoplasia. MCM5 expression may also be applicable in the detection of a number of other cancers including bladder, lung and oesophageal.

Molecular weight:

Ic50:

Applications

Application: IF ; WB
Application notes:

Handling

Format: Liquid
Concentration: 0.9-1.1 mg/ml
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:

PBS with 0.02% azide
Storage conditions: -15° C to -25° C
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: