

MCM3 Conjugated Antibody

Catalog No: #C49847



Package Size: #C49847-AF350 100ul #C49847-AF405 100ul #C49847-AF488 100ul

#C49847-AF555 100ul #C49847-AF594 100ul #C49847-AF647 100ul

#C49847-AF680 100ul #C49847-AF750 100ul #C49847-Biotin 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	MCM3 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Cervical cancer proto oncogene 5 antibody DNA polymerase alpha holoenzyme associated P1 antibody DNA polymerase alpha holoenzyme associated protein P1 antibody DNA polymerase alpha holoenzyme-associated protein P1 antibody DNA replication factor MCM3 antibody DNA replication licensing factor mcm3 antibody HCC 5 antibody HCC5 antibody hRlf beta subunit antibody Human cervical cancer proto oncogene 5 antibody MCM 3 antibody mcm3 antibody MCM3 minichromosome maintenance deficient 3 antibody MCM3_HUMAN antibody MGC1157 antibody Minichromosome maintenance complex component 3 antibody Minichromosome maintenance deficient 3 antibody Minichromosome maintenance protein 3 antibody P1 h antibody P1 MCM3 antibody P1 Protein antibody P1-MCM3 antibody P1.h antibody p102 antibody P102 protein antibody Replication licensing factor beta subunit antibody RLF beta subunit antibody RLF subunit beta antibody RLFB antibody
Accession No.	Swiss-Prot#:P25205
Uniprot	P25205
GenelD	4172;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	102 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

The mini-chromosome maintenance (MCM) family of proteins, including MCM2, MCM3, MCM4 (Cdc21), MCM5 (Cdc46), MCM6 (Mis5) and MCM7 (Cdc47), are regulators of DNA replication that act to ensure replication occurs only once in the cell cycle. Expression of MCM proteins increases during cell growth, peaking at G1 to S phase. The MCM proteins each contain an ATP-binding motif, which is predicted to mediate ATP-dependent opening of double-stranded DNA. MCM proteins are regulated by E2F transcription factors, which induce MCM expression, and by protein kinases, which interact with MCM proteins to maintain the postreplicative state of the cell. MCM2/MCM4 complexes function as substrates for Cdc2/cyclin B in vitro. Cleavage of MCM3, which can be prevented by caspase inhibitors, results in the inactivation during apoptosis of the MCM complex, which is composed of, at least, MCM2 α 1/2C6. A complex composed of MCM4, MCM6 and MCM7 has been shown to be involved in DNA helicase activity, and MCM5 is involved in IFN- γ -induced Stat1 α transcription activation.

Note: This product is for in vitro research use only