Product Datasheet

MCM4 Rabbit mAb

Catalog No: #52800

Package Size: #52800-1 50ul #52800-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

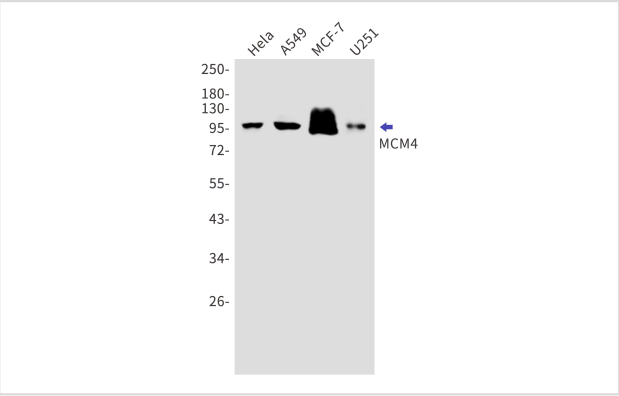
Description

Product Name	MCM4 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S02-8F8
Isotype	IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human,Mouse
Immunogen Description	A synthetic peptide of human MCM4
Conjugates	Unconjugated
Modification	Unmodification
Other Names	NKCD; CDC21; CDC54; IMD54; NKGCD; hCdc21; P1-CDC21
Accession No.	Swiss-Prot:P33991GeneID:4173
Uniprot	P33991
GeneID	4173
Calculated MW	Calculated MW:97 kDa,Observed MW:97 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

WB: 1/2000-1/10000

Images



Western blot detection of MCM4 in Hela,A549,MCF-7,U251 cell lysates using MCM4 Rabbit mAb(1:1000 diluted).Predicted band size:97kDa.Observed band size:97kDa.

Background

The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are essential for the initiation of eukaryotic genome replication. The hexameric protein complex formed by MCM proteins is a key component of the pre-replication complex (pre_RC) and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. The MCM complex consisting of this protein and MCM2, 6 and 7 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. The phosphorylation of this protein by CDC2 kinase reduces the DNA helicase activity and chromatin binding of the MCM complex. This gene is mapped to a region on the chromosome 8 head-to-head next to the PRKDC/DNA-PK, a DNA-activated protein kinase involved in the repair of DNA double-strand breaks. Alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq, Jul 2008]

Note: This product is for in vitro research use only