Product Datasheet

MCM4 antibody

Catalog No: #38539

Package Size: #38539-1 50ul #38539-2 100ul

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

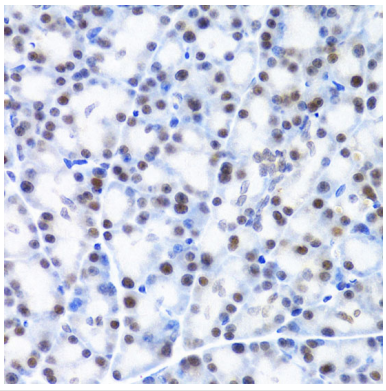
Description

Product Name	MCM4 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total MCM4 protein.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human MCM4.
Target Name	MCM4
Other Names	CDC21; CDC54; hCdc21; P1-CDC21
Accession No.	Swiss-Prot#: P33991NCBI Gene ID: 4173
Uniprot	P33991
GeneID	4173;
SDS-PAGE MW	97kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

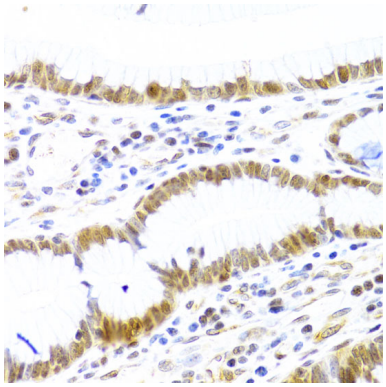
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200

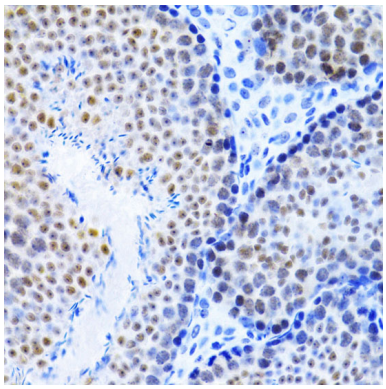
Images



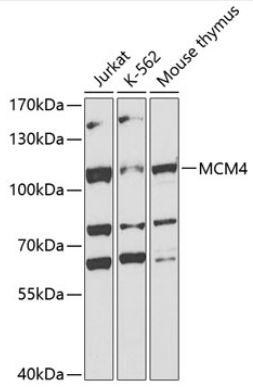
Immunohistochemistry of paraffin-embedded rat pancreas using MCM4 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human gastric cancer using MCM4 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse testis using MCM4 at dilution of 1:100 (40x lens).



Western blot analysis of extracts of various cell lines, using MCM4 at 1:400 dilution.

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.

Note: This product is for in vitro research use only