

Rabbit MCM6 Polyclonal Antibody | anti-MCM6 antibody

MCM6 Polyclonal Antibody

CATALOG # AAA37112	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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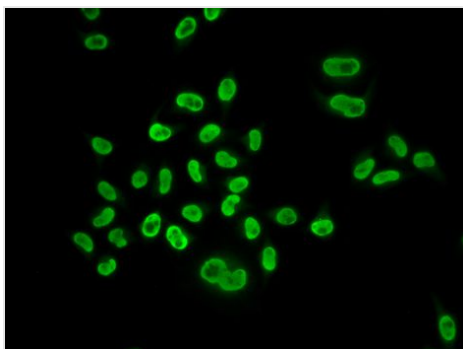
PRODUCT SYNONYMS

MCM6; Polyclonal Antibody; MCM6 Polyclonal Antibody; Mis5; P105MCM; MCG40308; anti-MCM6 antibody

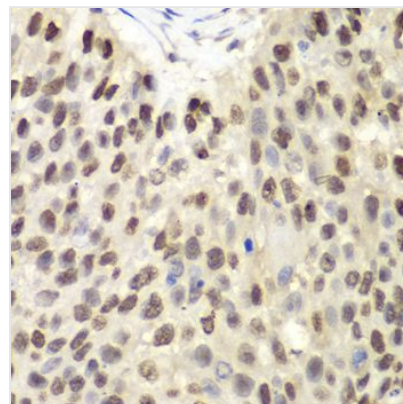
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	821
Applicable Applications for anti-MCM6 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human MCM6
Calculated Molecular Weight	93kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

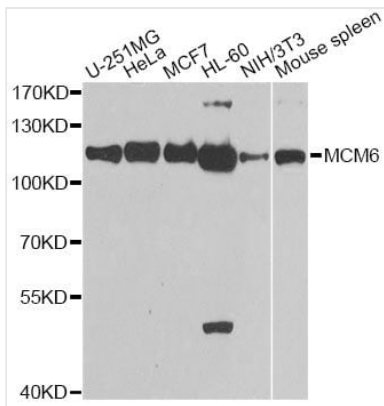
IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using MCM6 antibody.


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung cancer using MCM6 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using MCM6 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-MCM6 antibody	The MCM genes were firstly identified in yeast defective in minichromosome maintenance and have since been shown to have roles in the progression of the cell cycle, and most of them are cell division control genes[PMID: 18096807]. MCM2-7 complex are suggested to be 'DNA licensing factors' which bind to the DNA after mitosis and enable DNA replication before being removed during S phase. Mini-chromosome maintenance 6 (MCM6) is one component of the MCM2-7 complex which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells[PMID: 9305914]. MCM6 single subunit forms homohexamer and contains an ATP-dependent and replication fork stimulated 3' to 5' DNA unwinding activity along with intrinsic DNA-dependent ATPase and ATP-binding activities [PMID:21336027].
Product Categories/Family for anti-MCM6 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	2497824
NCBI GeneID	4175
UniProt Accession #	Q14566; Q13504; Q99859; B2R6H2
Molecular Weight	821
NCBI Official Full Name	DNA replication licensing factor MCM6
NCBI Official Synonym Full Names	minichromosome maintenance complex component 6
NCBI Official Symbol	MCM6
NCBI Official Synonym Symbols	Mis5; P105MCM; MCG40308
NCBI Protein Information	DNA replication licensing factor MCM6; minichromosome maintenance deficient (mis5, S. pombe) 6; MCM6 minichromosome maintenance deficient 6 (MIS5 homolog, S. pombe)
UniProt Protein Name	DNA replication licensing factor MCM6
UniProt Gene Name	MCM6
UniProt Entry Name	MCM6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.