

Rabbit anti-Human, Mouse MCM2 Polyclonal Antibody | anti-MCM2 antibody

Rabbit anti-Phospho MCM2 (S41) Antibody, Affinity Purified

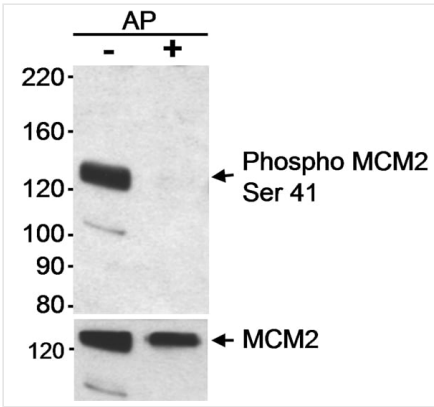
CATALOG # AAA210771	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

MCM2; Polyclonal Antibody; Rabbit anti-Phospho MCM2 (S41) Antibody; Affinity Purified; Phospho (S41); D3S3194; MITOTIN; minichromosome maintenance protein 2 homolog; minichromosome maintenance deficient 2 (mitotin); nuclear protein BM28; DFNA70; cell division cycle-like 1; CDCL1; cdc19; CCNL1; BM28; DNA replication licensing factor MCM2; cyclin-like 1; minichromosome maintenance complex component 2; anti-MCM2 antibody

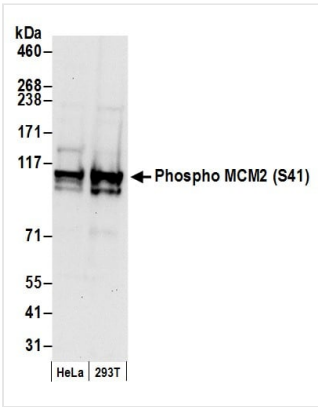
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-MCM2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Predicted Reactivity	X. laevis, X. tropicalis
Immunogen	Surrounding serine 41
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



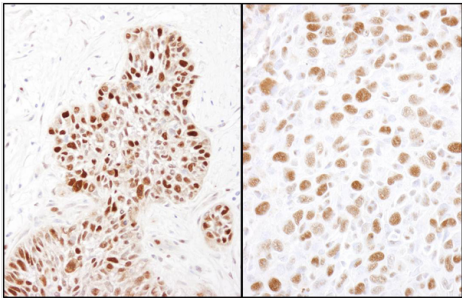
WB (Western Blot)

Detection of human Phospho MCM2 (Ser41) by western blot. Samples: Whole cell lysate (30 ug) from HeLa cells that were either untreated or treated with alkaline phosphatase (AP). Antibodies: Affinity purified rabbit anti-phospho MCM2 (Ser41) antibody AAA210771 used at 0.1 ug/ml. After probing with the phospho-specific antibodies, rabbit anti-MCM2 antibody was used at 0.2 ug/ml to show total MCM2. Detection: Chemiluminescence with a 1 minute exposure.



WB (Western Blot)

Detection of human Phospho MCM2 (S41) by western blot. Samples: Whole cell lysate (50 ug) from HeLa and HEK293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Phospho MCM2 (S41) antibody AAA210771 (lot AAA210771-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IHC (Immunohistochemistry)

Detection of human and mouse MCM2 (Ser41) by immunohistochemistry. Sample: FFPE section of human laryngeal squamous cell carcinoma (left) and mouse squamous cell carcinoma (right). Antibody: Affinity purified rabbit anti-MCM2 (Ser41) (Cat. No. AAA210771 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-MCM2 antibody	The MCM (Mini-Chromosome Maintenance) complex is a key component of the pre-replication complex involved in replication licensing which restricts DNA replication to only once per cell cycle. The MCM complex is a heterohexamer of MCM2, MCM3, MCM4, MCM5, MCM6, and MCM7. MCM2 interacts with the core MCM complex (MCM4, 6, and 7) to regulate its helicase activity.
Product Categories/Family for anti-MCM2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

UniProt Accession #	P49736
UniProt Protein Name	DNA replication licensing factor MCM2
UniProt Gene Name	MCM2
UniProt Synonym Gene Names	BM28; CCNL1; CDCL1; KIAA0030
UniProt Entry Name	MCM2_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.

