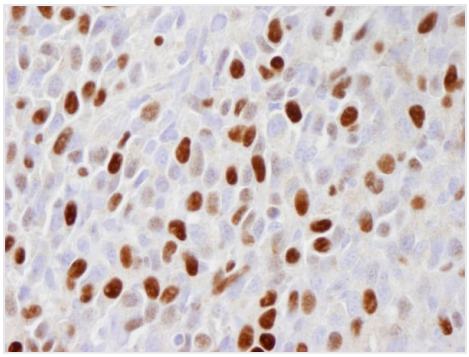
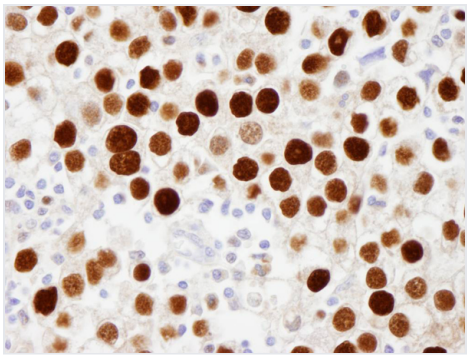
MCM2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

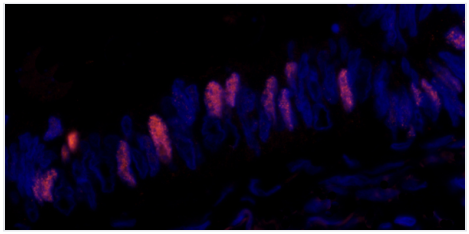
Product Name	MCM2, Polyclonal Antibody
Full Product Name	Rabbit anti-Phospho MCM2 (S108) IHC Antibody, Affinity Purified
Product Gene Name	anti-MCM2 antibody
Product Synonym Names	MCM2, Phospho (S108); D3S3194; MITOTIN; minichromosome maintenance protein 2 homolog; minichromosome maintenance deficient 2 (mitotin); nuclear protein BM28; DFNA70; cell devision cycle-like 1; CDCL1; cdc19; CCNL1; BM28; DNA replication licensing factor MCM2; cyclin-like 1; DNA replication licensing factor MCM2; minichromosome maintenance complex component 2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	100ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
OMIM	116945
3D Structure	ModBase 3D Structure for P49736
Predicted Reactivity	Rat, Chicken, Turkey, Bovine, Dog, Horse, Rabbit, Pig, Panda, Orangutan, Monkey, Gorilla, Chimpanzee, Crab-eating macaque, African elephant, White-tufted-ear marmoset, Tasmanian devil, Zebra finch, Gray short-tailed opossum, Green anole, Chinese hamster, Small-eared galago, Naked mole rat, Duckbill platypus, Thirteen-lined ground squirrel, Little brown bat
Immunogen	Surrounding serine 108
Conjugation	Unconjugated
Product Categories/Family for anti-MCM2 antibody	Primary Antibodies
Applications Tested/Suitable for anti-MCM2 antibody	Immunohistochemistry (IHC), Immunohistochemistry-Immunofluorescence (IHC-IF)
Application Notes for anti-MCM2 antibody	IHC: 1:100-1:500 IHC-IF: 1:50-1:500
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.
Other Notes	Small volumes of anti-MCM2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MCM2 purchase	MBS3907381 is an antibody targeting MCM2. Also known as Rabbit anti-Phospho MCM2 (S108) IHC Antibody, Affinity Purified. Reactive in Human, Mouse. Host: Rabbit.



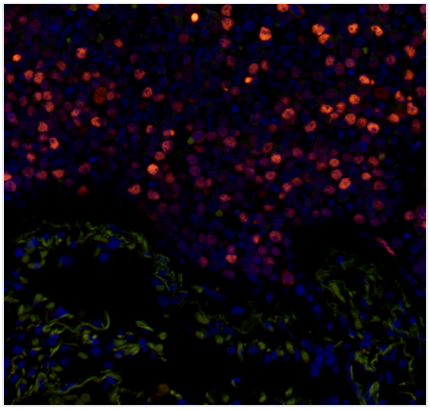
Immunohistochemistry (IHC) of anti-MCM2 antibody
Detection of mouse phospho-MCM2 (Ser 108) by immunohistochemistry. Sample: FFPE section of mouse squamous cell carcinoma. Antibody: Affinity purified rabbit anti-Phospho-MCM2 (Ser 108) (Cat. No. MBS3907381) used at a dilution of 1:100. Detection: DAB



Immunohistochemistry (IHC) of anti-MCM2 antibody
Detection of human phospho-MCM2 (Ser 108) by immunohistochemistry. Sample: FFPE section of human seminoma. Antibody: Affinity purified rabbit anti-Phospho-MCM2 (Ser 108) (Cat. No. MBS3907381) used at a dilution of 1:100. Detection: DAB



Immunohistochemistry (IHC) of anti-MCM2 antibody
Detection of human Phospho MCM2 (Ser 108) by immunohistochemistry. Sample: FFPE section of human colon carcinoma. Antibody: Affinity purified rabbit anti-Phospho-MCM2 (Ser 108) (Cat. No. MBS3907381) used at a dilution of 1:100. Detection: Red-fluorescent Alexa Fluor 555 goat antirabbit IgG (Invitrogen) used at a dilution of 1:500.



Immunohistochemistry (IHC) of anti-MCM2 antibody
Detection of human Phospho MCM2 (Ser 108) by immunohistochemistry. Sample: FFPE section of human small cell lung cancer. Antibody: Affinity purified rabbit anti-Phospho-MCM2 (Ser 108) (Cat. No. MBS3907381) used at a dilution of 1:100. Detection: Red-fluorescent Alexa Fluor 555 goat antirabbit IgG (Invitrogen) used at a dilution of 1:500.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MCM2. It may not necessarily be applicable to this product.

NCBI GeneID	0
NCBI Accession #	NP_0045117.2
UniProt Primary Accession #	P49736
UniProt Protein Name	DNA replication licensing factor MCM2
UniProt Synonym Protein Names	Minichromosome maintenance protein 2 homolog; Nuclear protein BM28
Protein Family	DNA replication licensing factor
UniProt Gene Name	MCM2
UniProt Synonym Gene Names	BM28; CCNL1; CDCL1; KIAA0030
UniProt Entry Name	MCM2_HUMAN

UniProt Comments for MCM2	MCM2: a mini-chromosome maintenance protein, essential for the initiation of eukaryotic genome replication. Allows DNA to undergo a single round of replication per cell cycle. Required for the entry in S phase and for cell division. Protein type: DNA-binding; EC 3.6.4.12 Chromosomal Location of Human Ortholog: 3q21 Cellular Component: microtubule cytoskeleton; nucleoplasm; MCM complex; cytoplasm; chromatin; nuclear origin of replication recognition complex; nucleus Molecular Function: protein binding; DNA helicase activity; DNA binding; histone binding; metal ion binding; DNA replication origin binding; ATP binding Biological Process: DNA unwinding during replication; nucleosome assembly; DNA replication initiation; DNA strand elongation during DNA replication; mitotic cell cycle; cell cycle; DNA replication; G1/S transition of mitotic cell cycle
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