

Goat anti-Human, Mouse MCM4 Polyclonal Antibody | anti-MCM4 antibody

Goat anti-MCM4 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA210775	Goat	Human, Mouse	Immunohistochemistry, Western Blot

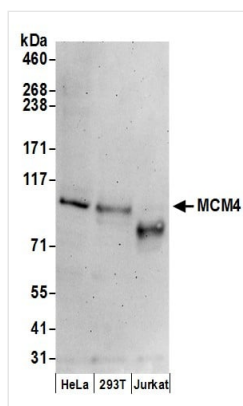
PRODUCT SYNONYMS

MCM4; Polyclonal Antibody; Goat anti-MCM4 Antibody; Affinity Purified; CDC54; P1-CDC21; NKGCD; NKCD; minichromosome maintenance deficient 4; IMD54; homolog of S. pombe cell division cycle 21; DNA replication licensing factor MCM4; CDC21 homolog; CDC21; hCdc21; minichromosome maintenance complex component 4; anti-MCM4 antibody

PRODUCT SPECIFICATIONS

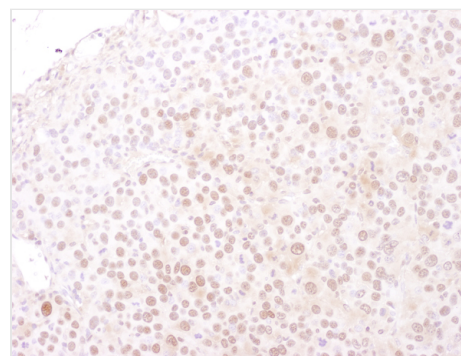
Host	Goat
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-MCM4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Between 325 and 375
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



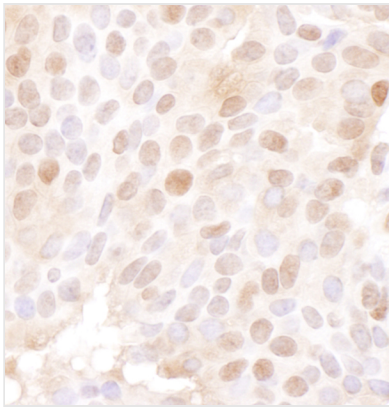
WB (Western Blot)

Detection of human MCM4 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibodies: Affinity purified goat anti-MCM4 antibody AAA210775 (lot AAA210775-2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IHC (Immunohistochemistry)

Detection of mouse MCM4 by immunohistochemistry. Sample: FFPE section of mouse renal cell carcinoma. Antibody: Affinity purified goat anti-MCM4 (Cat. No. AAA210775 Lot2) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB



IHC (Immunohistochemistry)
Detection of human MCM4 by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified goat anti-MCM4 (Cat. No. AAA210775 Lot2) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-MCM4 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. MCM4 is part of the core MCM complex that includes MCM4, MCM6, and MCM7. The core complex possesses DNA helicase activity. MCM4 is phosphorylated by CDC2 kinase resulting in a reduction of helicase activity and chromatin binding.
Product Categories/Family for anti-MCM4 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	33469919
NCBI GeneID	4173
NCBI Accession #	NP_005905.2
NCBI GenBank Nucleotide #	NM_005914.3
UniProt Accession #	P33991; Q8NEH1; Q99658
Molecular Weight	96,558 Da
NCBI Official Full Name	DNA replication licensing factor MCM4
NCBI Official Synonym Full Names	minichromosome maintenance complex component 4
NCBI Official Symbol	MCM4
NCBI Official Synonym Symbols	NKCD; CDC21; CDC54; NKGCD; hCdc21; P1-CDC21
NCBI Protein Information	DNA replication licensing factor MCM4; CDC21 homolog; minichromosome maintenance deficient 4; homolog of S. pombe cell division cycle 21
UniProt Protein Name	DNA replication licensing factor MCM4
UniProt Gene Name	MCM4
UniProt Synonym Gene Names	CDC21
UniProt Entry Name	MCM4_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.

