

Rabbit anti-Human DNA replication licensing factor MCM3 Polyclonal Antibody | anti-MCM3 antibody

Rabbit anti-human DNA replication licensing factor MCM3 polyclonal Antibody(MCM3)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA18870	Rabbit	Human	ELISA, Western Blot, Immunohistochemistry, Chromatin Immunoprecipitation, Immunoprecipitation

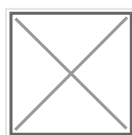
PRODUCT SYNONYMS

DNA replication licensing factor MCM3; Polyclonal Antibody; Rabbit anti-human DNA replication licensing factor MCM3 polyclonal Antibody(MCM3); DNA polymerase alpha holoenzyme-associated protein P1; P1-MCM3; RLF subunit beta; p102; MCM3; anti-MCM3 antibody

PRODUCT SPECIFICATIONS

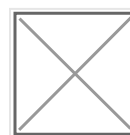
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	818
Applicable Applications for anti-MCM3 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), ChIP (Chromatin Immunoprecipitation)
Application Notes	Recommended dilution: WB:1:200-1000 IHC:1:20-1:200
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human DNA replication licensing factor MCM3 protein (1-295aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-9849 / sc-9850
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



ChIP (Chromatin Immunoprecipitation)

Chromatin Immunoprecipitation 293T(1.6¹⁰⁶)were cross-linked with formaldehyde, sonicated, and immunoprecipitated with 4ug anti-MCM3 or a control normal rabbit IgG . The resulting ChIP DNA was quantified using real-time PCR with primers against the IRF-1 promoter.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human ovarian cancer using AAA18870 at dilution 1:100

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human colon cancer using AAA18870 at dilution 1:100

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human liver using AAA18870 at dilution 1:100

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human tonsil using AAA18870 at dilution 1:100

**WB (Western Blot)**

All lanes: MCM3 antibody at 4 ug/ml
Lane 1: Hela whole cell lysate
Lane 2: 293T whole cell lysate
Lane 3: K562 whole cell lysate
Lane 4: HepG2 whole cell lysate
Lane 5: Jurkats whole cell lysate
Lane 6: U917 whole cell lysate
Secondary Goat polyclonal to rabbit at 1/10000 dilution
Predicted band size: 91,96 kDa
Observed band size: 91 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-MCM3 antibody

Acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. The active ATPase sites in the MCM2-7 ring are formed through the interaction surfaces of two neighboring subunits such that a critical structure of a conserved arginine finger motif is provided in trans relative to the ATP-binding site of the Walker A box of the adjacent subunit. The six ATPase active sites, however, are likely to contribute differentially to the complex helicase activity. Required for DNA replication and cell proliferation.

NCBI AND UNIPROT INFORMATION

NCBI GI #	394582099
NCBI GeneID	4172
NCBI Accession #	NP_001257401.1
NCBI GenBank Nucleotide #	NM_001270472.1
UniProt Accession #	P25205; Q92660; Q9BTR3; Q9NUE7; B4DWW4
Molecular Weight	95,908 Da
NCBI Official Full Name	DNA replication licensing factor MCM3 isoform 2
NCBI Official Synonym Full Names	minichromosome maintenance complex component 3
NCBI Official Symbol	MCM3
NCBI Official Synonym Symbols	HCC5; P1.h; RLFB; P1-MCM3
NCBI Protein Information	DNA replication licensing factor MCM3
UniProt Protein Name	DNA replication licensing factor MCM3
UniProt Gene Name	MCM3
UniProt Entry Name	MCM3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/dna-replication-licensing-factor-mcm3-antibody-western-blot-immunohistochemistry-chromatin-immunoprecipitation-elisa/18870>