

Rabbit MCM10 Polyclonal Antibody | anti-MCM10 antibody

MCM10 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329008	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Xenopus(100%)	ELISA

PRODUCT SYNONYMS

MCM10; Polyclonal Antibody; MCM10 Antibody; anti-MCM10 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Xenopus(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	MCM10 Antibody detects endogenous levels of total MCM10.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	874
Applicable Applications for anti-MCM10 antibody	ELISA
Immunogen	A synthesized peptide derived from human MCM10, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA329008 at 1/100 staining Mouse stomach tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



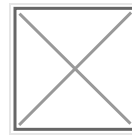
IHC (Immunohistochemistry)

AAA329008 at 1/100 staining Rat testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA329008 at 1/100 staining Rat testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Hela cells, using MCM10 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MCM10 antibody

Function: Acts as a replication initiation factor that brings together the MCM2-7 helicase and the DNA polymerase alpha/primase complex in order to initiate DNA replication. Additionally, plays a role in preventing DNA damage during replication. Key effector of the RBBP6 and ZBTB38-mediated regulation of DNA-replication and common fragile sites stability; acts as a direct target of transcriptional repression by ZBTB38 (PubMed:24726359).

Subcellular Location: Nucleus. Note: Colocalizes with ORC2 in nuclei foci. Associated with chromatin in S phase. From early to mid-S phase located in discrete nuclear foci. In early S phase, several hundred foci appeared throughout the nucleus. In mid-S phase, the foci appeared at the nuclear periphery and nucleolar regions. In the late S and G phases localized to nucleoli.

Subunit Structure: Self-associates (By similarity). Interacts with ORC2. May interact with MCM2 and MCM6. Interacts with the DNA polymerase alpha subunit POLA1. Interacts with RECQL4; this interaction regulates RECQL4 unwinding activity. Interacts with WDHD1.

Similarity: Each zinc finger-like domain binds a zinc ion and is involved in both ssDNA and dsDNA binding, as is the OB-fold domain. The N-terminal domain mediates homodimerization. Belongs to the MCM10 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33383235
NCBI GeneID	55388
NCBI Accession #	NP_060988.3
NCBI GenBank Nucleotide #	NP_060988.3
UniProt Accession #	Q7L590
Molecular Weight	Observed Molecular Weight: (Observed)98kD. Predicted Molecular Weight: (Calculated)98kDa.
NCBI Official Full Name	protein MCM10 homolog isoform 2
NCBI Official Synonym Full Names	minichromosome maintenance 10 replication initiation factor
NCBI Official Symbol	MCM10
NCBI Official Synonym Symbols	CNA43; DNA43; PRO2249
NCBI Protein Information	protein MCM10 homolog
UniProt Protein Name	Protein MCM10 homolog
UniProt Gene Name	MCM10
UniProt Synonym Gene Names	PRO2249; HsMCM10
UniProt Entry Name	MCM10_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.

