Mouse anti-Human MCM7 Monoclonal Antibody | anti-MCM7 antibody

MCM7 (DNA Replication Licensing Factor MCM7, CDC47 Homolog, P1.1-MCM3, CDC47, MCM2) (AP)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24268	**Mouse**	**Human**	**ELISA, Immunohistochemistry, Western Blot**

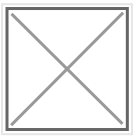
PRODUCT SYNONYMS

MCM7; Monoclonal Antibody; MCM7 (DNA Replication Licensing Factor MCM7; CDC47 Homolog; P1.1-MCM3; CDC47; MCM2) (AP); anti-MCM7 antibody

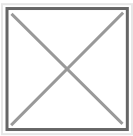
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	6C2
Specificity	Recognizes human MCM7.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Applicable Applications for anti-MCM7 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Full length recombinant corresponding to aa1-389 from human MCM7 (AAH09398) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MALKDYALEKEKVKKFLQEFYQDDELGKKQFKYGNQLVRLAHREQVALYVDLDDVAEDDPELVDSICENARRYAKLFADAVQELLPQYKEREVVNKDVLD
Conjugate	AP
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only pri

IMAGES



Application Data
Proximity Ligation Analysis of protein-protein interactions between CDC6 and MCM7. Huh7 cells were stained with anti-CDC6 rabbit purified polyclonal 1:600 and anti-MCM7 mouse monoclonal antibody 1:100. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Application Data
Proximity Ligation Analysis of protein-protein interactions between CDK7 and MCM7 HeLa cells were stained with anti-CDK7 rabbit purified polyclonal 1:1200 and anti-MCM7 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Application Data
Detection limit for recombinant GST tagged MCM7 is ~0.1ng/ml as a capture antibody.

IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to MCM7 on HeLa cell. [antibody concentration 10ug/ml]

IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to MCM7 on formalin-fixed paraffin-embedded human ovary, clear cell carcinoma. [antibody concentration 3ug/ml]

WB (Western Blot)
MCM7 monoclonal antibody Western Blot analysis of MCM7 expression in Hela NE.

ADDITIONAL INFORMATION

Product Categories/Family for anti-MCM7 antibody	Antibodies; DNA Replication; Repair
References	1. Etiological role of human papillomavirus infection for inverted papilloma of the bladder. Shigehara K, Sasagawa T, Doorbar J, Kawaguchi S, Kobori Y, Nakashima T, Shimamura M, Maeda Y, Miyagi T, Kitagawa Y, Kadono Y, Konaka H, Mizokami A, Koh E, Namiki M.J Med Virol. 2011 Feb;83(2):277-85. 2. Etiologic role of human papillomavirus infection in bladder carcinoma. Shigehara K, Sasagawa T, Kawaguchi S, Nakashima T, Shimamura M, Maeda Y, Konaka H, Mizokami A, Koh E, Namiki M.Cancer. 2010 Nov 29. 3. Minichromosome maintenance proteins 2, 3 and 7 in medulloblastoma: overexpression and involvement in regulation of cell migration and invasion. Lau KM, Chan QK, Pang JC, Li KK, Yeung WW, Chung NY, Lui PC, Tam YS, Li HM, Zhou L, Wang Y, Mao Y, Ng HK.Oncogene. 2010 Jul 26. 4. Validation of different replication markers for the detection of beta-cell proliferation in human pancreatic tissue. Kohler CU, Kreuter A, Rozynkowski MC, Rahmel T, Uhl W, Tannapfel A, Schmidt WE, Meier JJ.Regul Pept. 2010 Jan 14.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33988389
NCBI GeneID	4176
Molecular Weight	60,643 Da
NCBI Official Full Name	Homo sapiens minichromosome maintenance complex component 7, mRNA
NCBI Official Synonym Full Names	minichromosome maintenance complex component 7
NCBI Official Symbol	MCM7
NCBI Official Synonym Symbols	MCM2; CDC47; P85MCM; P1CDC47; PNAS146; PPP1R104; P1.1-MCM3
NCBI Protein Information	DNA replication licensing factor MCM7

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Online datasheet: https://stage.aaabiotech.com/monoclonal/mcm7-antibody-clone-6c2-immunohistochemistry-western-blot-elisa/24268