Product Datasheet

MCM7 Rabbit mAb

Catalog No: #59558

Package Size: #59558-1 50ul #59558-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	MCM7 Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human Mouse Rat
Specificity	MCM7 Antibody detects endogenous levels of total MCM7
Immunogen Description	A synthesized peptide derived from human MCM7
Other Names	CDC47 homolog; P1.1-MCM3; MCM7; CDC47; MCM2; P1CDC47; P85MCM; PNAS146; PPP1R104;
Accession No.	Uniprot:P33993
Calculated MW	Predicted band size: 81 kDa
SDS-PAGE MW	Observed band size: 81 kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

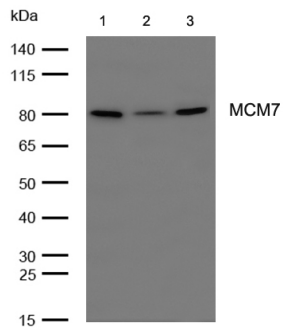
Application Details

WB: 1:500-1:2000

IHC: 1:50-1:200

ICC/IF: 1:50-1:200

Images



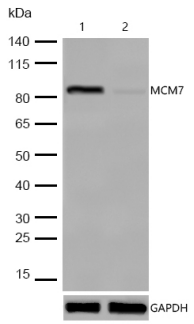
All lanes: MCM7 Rabbit mAb at 1/1k dilution

Lane 1 : Hela whole cell lysates Lane 2 : JK whole cell lysates
Lane 3 : MCF-7 whole cell lysates
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 81 kDa
Observed band size: 81 kDa

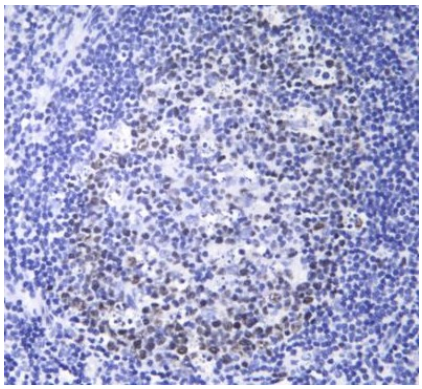
Exposure time: 9 seconds



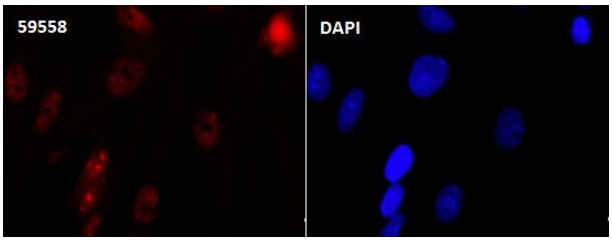
All lanes:MCM7 Rabbit mAb at 1/1k dilution

Lane 1 : Wild-type HT-1080 cell lysate
Lane 2 :MCM7 Rabbit mAb knockdown HT-1080 cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human tonsil tissue stained for MCM7 using 59558 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence MCM7 antibody (59558) ICC/IF staining of MCM7 in SH-SY5Y cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100. Samples were incubated with 59558 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 647 goat anti rabbit, used at a dilution of 1/500. Nuclei were counterstained with DAPI.

Background

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.