Datasheet for ABIN6940022

anti-MCM7 antibody

2 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	MCM7
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MCM7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human hCDC47 protein
Clone:	SPM379
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	MCM7
Alternative Name:	MCM7 (MCM7 Products)
Background:	MCM7 is one of the highly conserved mini-chromosome maintenance proteins (MCM) that is essential for the initiation of eukaryotic genome replication. The hexameric protein complex formed by the MCM proteins is a key component of the pre-replication complex and may be

Target Details

	involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. The MCM complex consisting of this protein and MCM2, 4 and 6 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. Cyclin D1-dependent kinase, CDK4, is found to associate with this protein, and may regulate the binding of this protein with the tumor suppressor protein RB1/RB.
Molecular Weight:	88kDa
Gene ID:	4176
UniProt:	P33993
Pathways:	DNA Damage Repair, Mitotic G1-G1/S Phases, DNA Replication, Chromatin Binding, Synthesis of DNA

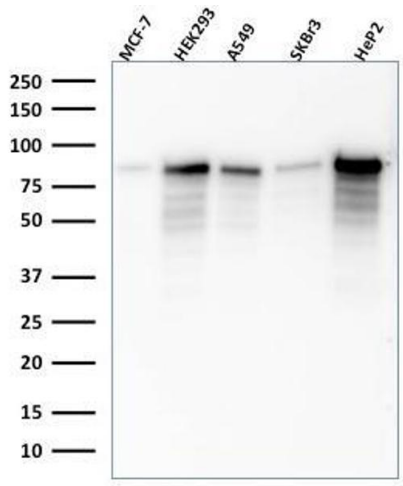
Application Details

Application Notes:	Positive Control: Exponentially growing any cultured human cells. Tonsil or lymph node. Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

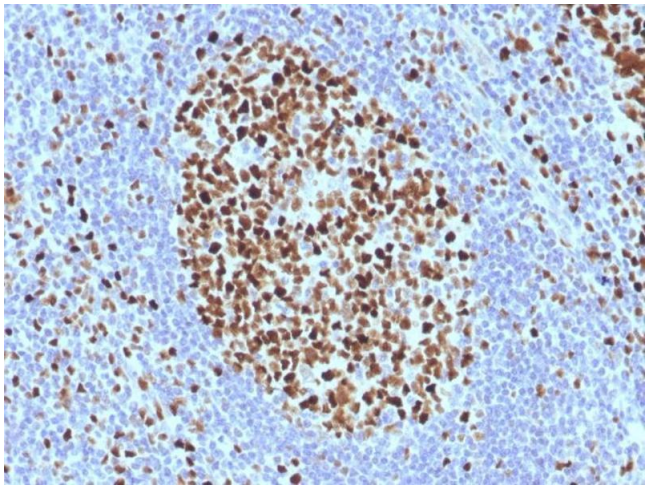
Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

Copyright antibodies-online. All rights reserved.



Western Blotting

Image 1. Western Blot Analysis of MCF-7, HEK-293, A549, SKBr3, HeP2 lysate using MCM7 Mouse Monoclonal Antibody (SPM379).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Tonsil stained with MCM7 Monoclonal Antibody (SPM379).

Copyright antibodies-online. All rights reserved.