Product Name: MCM2 Rabbit Monoclonal Antibody
Catalog #: AMRe03078
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,IP
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.53mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50
Molecular Weight	Calculated MW: 102 kDa; Observed MW: 125 kDa

Antigen Information

Gene Name	MCM2
Alternative Names	MCM2; BM28; CCNL1; CDCL1; KIAA0030; DNA replication licensing factor MCM2; Minichromosome maintenance protein 2 homolog; Nuclear protein BM28
Gene ID	4171
SwissProt ID	P49736
Immunogen	A synthetic peptide corresponding to target protein

Background

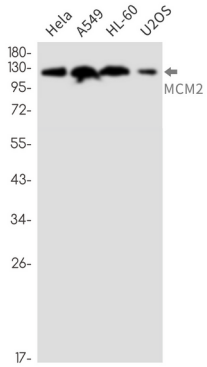
The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are

involved in the initiation of eukaryotic genome replication. The hexameric protein complex formed by MCM proteins is a key component of the pre-replication complex (pre_RC) and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. This protein forms a complex with MCM4, 6, and 7, and has been shown to regulate the helicase activity of the complex. This protein is phosphorylated, and thus regulated by, protein kinases CDC2 and CDC7. Multiple alternatively spliced transcript variants have been found, but the full-length nature of some variants has not been defined. [provided by RefSeq, Oct 2012]

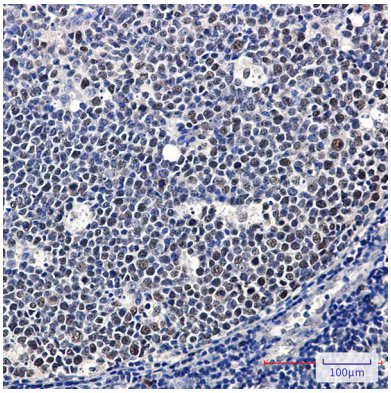
Research Area

Epigenetics and Nuclear Signaling

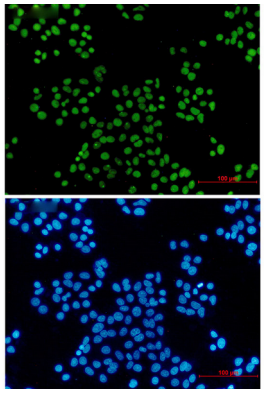
Image Data



Western blot analysis of MCM2 in Hela, A549, HL-60, U2OS lysates using MCM2 antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using MCM2 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry analysis of MCM2 (green) in hela using MCM2 antibody,and DAPI(blue)