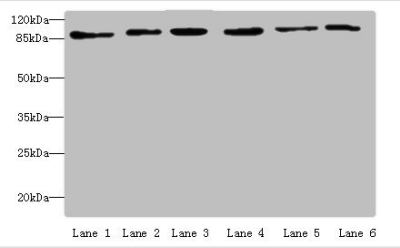
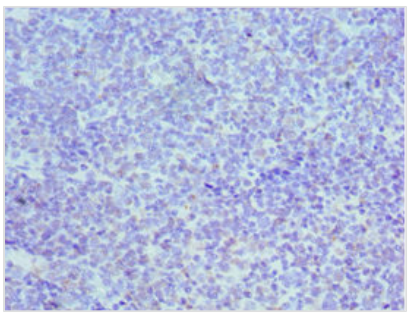
MCM3 Antibody

Product Code	CSB-PA013591ESR1HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P25205
Immunogen	Recombinant Human DNA replication licensing factor MCM3 protein (1-295AA)
Raised In	Rabbit
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC, ChIP; Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200
Relevance	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. The six ATPase active sites, however, are likely to contribute differentially to the complex helicase activity. Required for DNA replication and cell proliferation.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purification Method	Antigen Affinity Purified
Isotype	IgG
Clonality	Polyclonal
Alias	DNA replication licensing factor MCM3 (EC 3.6.4.12) (DNA polymerase alpha holoenzyme-associated protein P1) (P1-MCM3) (RLF subunit beta) (p102), MCM3
Species	Human
Research Area	Epigenetics and Nuclear Signaling
Target Names	MCM3
Image	

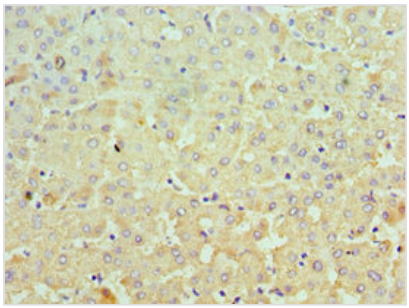


Western blot
All lanes: MCM3 antibody at 4 µg/ml
Lane 1: Hela whole cell lysate
Lane 2: 293T whole cell lysate
Lane 3: K562 whole cell lysate
Lane 4: HepG2 whole cell lysate
Lane 5: Jurkats whole cell lysate
Lane 6: U917 whole cell lysate
Secondary
Goat polyclonal to rabbit IgG at 1/10000 dilution

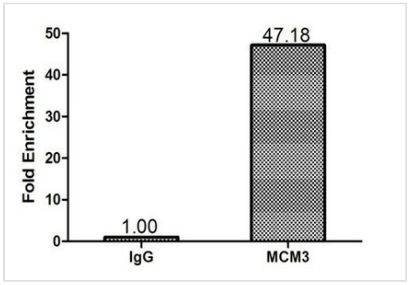
Predicted band size: 91, 96 kDa
Observed band size: 91 kDa



Immunohistochemistry of paraffin-embedded human tonsil tissue using CSB-PA013591ESR1HU at dilution of 1:100



Immunohistochemistry of paraffin-embedded human liver tissue using CSB-PA013591ESR1HU at dilution of 1:100



Chromatin Immunoprecipitation 293T ($1.6*10^6$) were cross-linked with formaldehyde, sonicated, and immunoprecipitated with 4μg anti-MCM3 or a control normal rabbit IgG. The resulting ChIP DNA was quantified using real-time PCR with primers (CSB-PP013591HU) against the IRF-1 promoter.