

Anti-CCDC111 Antibody (9Q490)

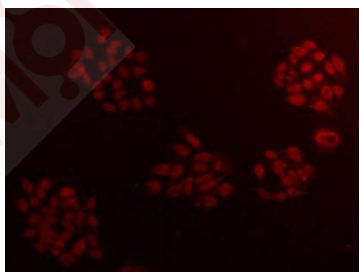
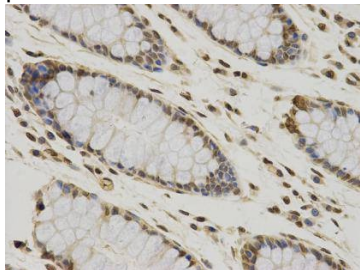
Product Details

Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 64 kDa.
Clone:	9Q490
Purification:	ProG affinity purified

Applications

Verified Activity:

1. Immunohistochemical analysis of paraffin-embedded human colonic tissue using anti-CCDC111 mouse monoclonal antibody.
2. ICC staining CCDC111 in HepG2 cells(red). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Application:	ICC,IHC
Recommended	IHC: 1:200; ICC: 1:100-200

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	Q96LW4
Synonyms:	MYP22;CCDC 111;CC111_HUMAN;Coiled-coil domain-containing protein 111;CCDC111;Primase and polymerase (DNA directed);PRIMPOL;DNA-directed primase/polymerase protein;Coiled coil domain containing 111

Research Background

DNA primase and DNA polymerase able to initiate de novo DNA synthesis using dNTPs. PRIMPOL shows a high capacity to tolerate DNA damage lesions such as 8oxoG and abasic sites in DNA. It is involved in translesion synthesis via its primase activity by mediating uninterrupted fork progression after programmed or damage-induced fork arrest and by reinitiating DNA synthesis after dNTP depletion. PRIMPOL is required for mitochondrial DNA (mtDNA) synthesis, suggesting it may be involved in DNA tolerance during the replication of mitochondrial DNA. PRIMPOL has non-overlapping function with POLH.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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