CCDC111 Antibody

Catalog No: #48105

Package Size: #48105-1 50ul #48105-2 100ul

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

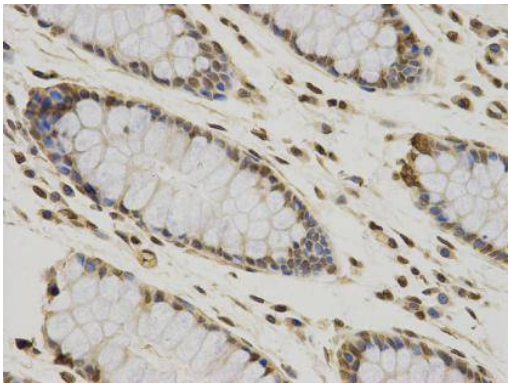
Description

Product Name	CCDC111 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	10-B3
Purification	ProG affinity purified
Applications	ICC, IHC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	CC111_HUMAN antibody CCDC111 antibody Coiled coil domain containing 111 antibody Coiled-coil domain-containing protein 111 antibody DNA-directed primase/polymerase protein antibody MYP22 antibody Primase and polymerase (DNA directed) antibody PRIMPOL antibody
Accession No.	Swiss-Prot#:Q96LW4
Calculated MW	64kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

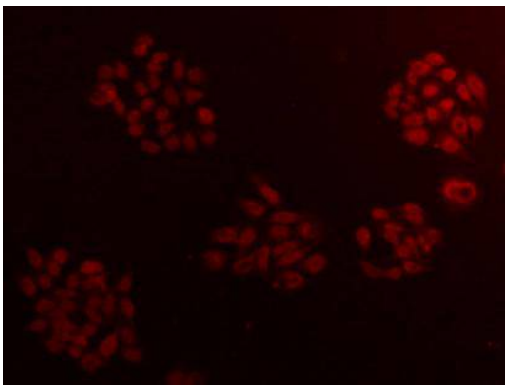
Application Details

IHC: 1:200ICC: 1:100-1:200

Images



Immunohistochemical analysis of paraffin-embedded human colonic tissue using anti- CCDC111 mouse monoclonal antibody.



ICC staining CCDC111 in HepG2 cells(red). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

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.

References

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