CD Creative Diagnostics®

Anti-ZCCHC11 (aa 1403-1452) polyclonal antibody (DPABH-12536)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Uridylyltransferase that acts as a suppressor of microRNA (miRNA) biogenesis by specifically mediating the terminal uridylation of some miRNAs. Catalyzes the 3 uridylation of precursor let-7 (pre-let-7), a miRNA precursor. Uridylated pre-let-7 miRNAs fail to be processed by Dicer and undergo degradation. Degradation of pre-let-7 contributes to the maintenance of embryonic stem (ES) cells and is required for ES cells to maintain pluripotency. Does not bind RNA by itself, recruited to pre-let-7 miRNAs via its interaction with LIN28A and LIN28B. Also catalyzes the 3 uridylation of miR-26A, a miRNA that represses IL6 transcript, leading to abrogate IL6 transcript repression and promote cytokine expression. May also suppress Toll-like receptor-induced NF-kappa-B activity via binding to T2BP. Does not play a role in replication-dependent histone mRNA degradation.
Immunogen	Synthetic peptide, corresponding to a region within internal sequence amino acids 1403-1452 (GSAQQQGDQS IRTRQSSECS ESPSYSPQPQ PFPQNSSQSA AITQPSSQPG) of Human ZCH11 (NP_001009881.1).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Size	50 µg

Buffer	Constituents: 97% PBS, 2% Sucrose
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	ZCCHC11 zinc finger, CCHC domain containing 12 [Homo sapiens]
Official Symbol	ZCCHC11
Synonyms	ZCCHC11; zinc finger, CCHC domain containing 11; TUT4; PAPD3; terminal uridylyltransferase 4; TUTase 4; PAP associated domain containing 3; zinc finger CCHC domain-containing protein 11;
Entrez Gene ID	23318
Protein Refseq	NP_001009881.1
UniProt ID	Q5TAX3
Function	RNA uridylyltransferase activity; poly(A) RNA binding; protein binding; zinc ion binding