



Datasheet for ABIN2774235
anti-ZCCHC11 antibody (Middle Region)



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2 Images

Overview

Quantity:	100 µL
Target:	ZCCHC11
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZCCHC11 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ZCCHC11
Sequence:	GSAQQQGDQS IRTRQSSECS ESPSYSPQPQ PFPQNSSQSA AITQPSSQPG
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 92%, Human: 100%, Mouse: 92%, Rabbit: 92%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against ZCCHC11. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	ZCCHC11
Alternative Name:	ZCCHC11 (ZCCHC11 Products)

Target Details

Background: ZCCHC11 is the uridylyltransferase that acts as a suppressor of microRNA (miRNA) biogenesis by specifically mediating the terminal uridylation of some miRNAs. ZCCHC11 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. ZCCHC11 does not bind RNA by itself, recruited to pre-let-7 miRNAs via its interaction with LIN28A and LIN28B. ZCCHC11 also catalyzes the 3' uridylation of miR-26A, a miRNA that represses IL6 transcript, leading to abrogate IL6 transcript repression and promote cytokine expression. ZCCHC11 may also suppress Toll-like receptor-induced NF-kappa-B activity via binding to T2BP. ZCCHC11 does not play a role in replication-dependent histone mRNA degradation.

Alias Symbols: PAPD3, TUT4

Protein Interaction Partner: UBC, MYC, TIFA, CAND1, DCUN1D1, COPS5, CUL1, CUL2, CUL4B, CUL5, ELAVL1,

Protein Size: 1645

Molecular Weight: 185 kDa

Gene ID: 23318

NCBI Accession: [NM_001009881](#), [NP_001009881](#)

UniProt: [Q5TAX3](#)

Pathways: [Stem Cell Maintenance](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 1645 AA

Restrictions: For Research Use only

Handling

Format: Liquid

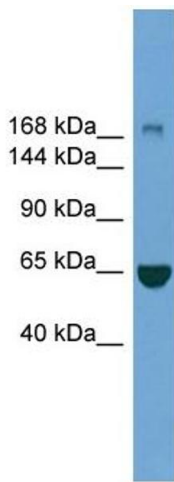
Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

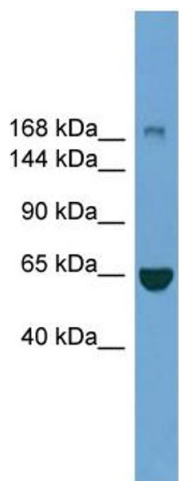


Western Blotting

Image 1. WB Suggested Anti-ZCCHC11 Antibody

Titration: 0.2-1 ug/ml

Positive Control: ACHN cell lysate



Rabbit Anti-ZCCHC11 Antibody

Catalog Number: ARP58745

Lot Number: QC27304

Lane: ACHN Cell Lysate

Antibody Titration: 1.0µg/ml

Gel Concentration: 6-18%

Western Blotting

Image 2. WB Suggested Anti-ZCCHC11

Antibody Titration: 0.2-1 µg/mL

Positive Control: ACHN cell lysate