

CNOT6 Polyclonal antibody

Catalog Number: 17935-1-AP

Featured Product

1 Publications

Basic Information

Catalog Number:

17935-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11506

GenBank Accession Number:

BC027476

GeneID (NCBI):

57472

UNIPROT ID:

Q9ULM6

Full Name:

CCR4-NOT transcription complex, subunit 6

Calculated MW:

557 aa, 63.3 kDa

Observed MW:

63 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

mouse

Positive Controls:

WB: Jurkat cells,

Background Information

The evolutionarily conserved CCR4-NOT (CNOT) complex regulates mRNA metabolism in eukaryotic cells. This regulation occurs at different levels of mRNA synthesis and degradation, including transcription initiation, elongation, deadenylation, and degradation (PMID: 12882519). Multiple components, including CNOT1, CNOT2, CNOT3, CNOT4, CNOT6, CNOT6L, CNOT7, CNOT8, CNOT9, and CNOT10 have been identified in this complex (PMID: 19558367). In addition, the subunit composition of this complex has been shown to vary among different tissues (PMID: 21741365). The various CNOT proteins display different functions, with CNOT6, CNOT6L, CNOT7, and CNOT8 exhibiting 3'-5' RNase activity (PMID: 11889047). Research studies indicate that the CCR4-NOT deadenylase subunits CNOT6 and CNOT6L help mediate cell survival and play a role in cell proliferation, P-body formation, and regulation of gene expression (PMID: 21233283). Additional research evidence suggests that CNOT6 can act as a nuclear hormone receptor coactivator that associates with ZNF335 (NIF-1) to regulate expression from specific RAR α regulated genes (PMID: 18180299).

Notable Publications

Author	Pubmed ID	Journal	Application
Lan-Tao Gou	24787618	Cell Res	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

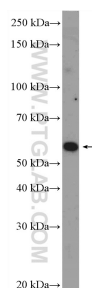
For technical support and original validation data for this product please contact:

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Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 17935-1-AP (CNOT6 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.