

For Research Use Only

CNOT6 Polyclonal antibody

Catalog Number: 17935-1-AP

Featured Product

1 Publications



Basic Information

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| Catalog Number: 17935-1-AP | GenBank Accession Number: BC027476 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 240 µg/ml by Nanodrop and 140 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 57472 | Recommended Dilutions: WB 1:200-1:1000 |
| Source: Rabbit | UNIPROT ID: Q9ULM6 | |
| Isotype: IgG | Full Name: CCR4-NOT transcription complex, subunit 6 | |
| Immunogen Catalog Number: AG11506 | Calculated MW: 557 aa, 63.3 kDa | |
| | Observed MW: 63 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB : Jurkat cells, |
| Cited Applications: WB | |
| Species Specificity: human | |
| Cited Species: mouse | |

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 RARα 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

*** 20ul sizes contain 0.1% BSA

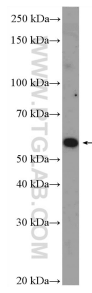
For technical support and original validation data for this product please contact:

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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.