For Research Use Only

CNOT6 Polyclonal antibody

Catalog Number:17935-1-AP Featured Product 1 Publications

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Basic Information

Catalog Number:
17935-1-AP

Size:
150ul , Concentration: 240 ug/ml by Nanodrop and 140 ug/ml by Bradford method using BSA as the standard;

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 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:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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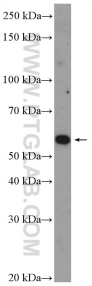
Selected Validation Data



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.