

For Research Use Only

CNOT3 Monoclonal antibody

Catalog Number: 68436-1-Ig



Basic Information

Catalog Number:

68436-1-Ig

Size:

1000 μ g/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG33646

GenBank Accession Number:

BC016474

GeneID (NCBI):

4849

UNIPROT ID:

O75175

Full Name:

CCR4-NOT transcription complex,
subunit 3

Calculated MW:

120 kDa

Observed MW:

120 kDa

Purification Method:

Protein G purification

CloneNo.:

2E12C6

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, pig, mouse, rat, rabbit

Positive Controls:

WB: HeLa cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, pig brain tissue, rabbit brain tissue, rat brain tissue, mouse brain tissue

Background Information

The CCR4-NOT complex, the major deadenylase in mammalian cells, shortens the mRNA poly(A) tail and leads to the destabilization of mRNAs. The CCR4-NOT complex plays pivotal roles in various physiological functions, including cell apoptosis, proliferation, and metabolism [PMID:22342980]. CNOT3, belongs to the CCR4-NOT complex, has a critical role in maintaining mouse and human ESC identity as a protein complex and inhibit differentiation into the extraembryonic lineages. It is also involved in the regulation of the spindle assembly checkpoint [PMID:22342980,22367759].

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:

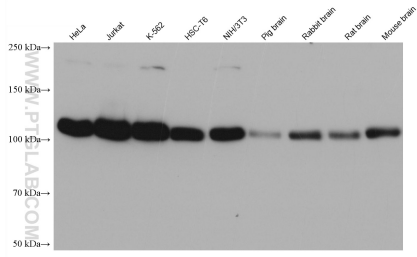
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68436-1-Ig (CNOT3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.