

For Research Use Only

# CNOT3 Monoclonal antibody

Catalog Number: 68436-1-Ig



## Basic Information

|                                                                |                                                                |                                                       |
|----------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>68436-1-Ig                           | <b>GenBank Accession Number:</b><br>BC016474                   | <b>Purification Method:</b><br>Protein G purification |
| <b>Size:</b><br>150ul , Concentration: 1000 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>4849                                  | <b>CloneNo.:</b><br>2E12C6                            |
| <b>Source:</b><br>Mouse                                        | <b>UNIPROT ID:</b><br>O75175                                   | <b>Recommended Dilutions:</b><br>WB 1:5000-1:50000    |
| <b>Isotype:</b><br>IgG1                                        | <b>Full Name:</b><br>CCR4-NOT transcription complex, subunit 3 |                                                       |
| <b>Immunogen Catalog Number:</b><br>AG33646                    | <b>Calculated MW:</b><br>120 kDa                               |                                                       |
|                                                                | <b>Observed MW:</b><br>120 kDa                                 |                                                       |

## Applications

|                                                                 |                                                                                                                                                             |
|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b><br>WB, ELISA                        | <b>Positive Controls:</b>                                                                                                                                   |
| <b>Species Specificity:</b><br>Human, pig , mouse, rat , rabbit | <b>WB :</b> 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

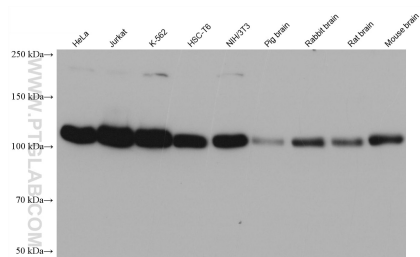
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 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



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.