RTN4 Antibody

PACO18765

Product Information

Size:

50ul

Reactivity:

Human, Mouse, Rat

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:2000, IHC:1:50-1:200

Protein Background:

Multifunctional transcription factor in ER stress response. Plays an essential role in the response to a wide variety of cell stresses and induces cell cycle arrest and apoptosis in response to ER stress. Plays a dual role both as an inhibitor of CCAAT/enhancer-binding protein (C/EBP) function and as an activator of other genes. Acts as a dominant-negative regulator of C/EBP-induced transcription: dimerizes with members of the C/EBP family, impairs their association with C/EBP binding sites in the promoter regions, and inhibits the expression of C/EBP regulated genes. Positively regulates the transcription of TRIB3, IL6, IL8, IL23, TNFRSF10B/DR5, PPP1R15A/GADD34, BBC3/PUMA, BCL2L11/BIM and ERO1L. Negatively regulates; expression of BCL2 and MYOD1, ATF4-dependent transcriptional activation of asparagine synthetase (ASNS), CEBPA-dependent transcriptional activation of hepcidin (HAMP) and CEBPB-mediated expression of peroxisome proliferator-activated receptor gamma (PPARG).

Gene ID:

RTN4

Uniprot

Q9NQC3

Synonyms:

Reticulon 4

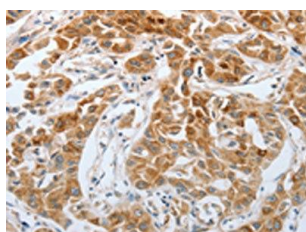**Immunogen:**

Synthetic peptide of human RTN4.

Storage:

-20° C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product Images

Gel: 12%SDS-PAGE, Lysate: 40 μ g, Lane: RAW264.7 cells, Primary antibody: PACO18765(RTN4 Antibody) at dilution 1/900, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 1 minute.

The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using PACO18765(RTN4 Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: x—200).