

PACO20175

Product Information

Size:

50ul

Reactivity:

Human, Mouse

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB

Recommended dilutions:

ELISA:1:1000-1:2000, WB:1:200-1:1000

Protein Background:

Transcription factor involved in unfolded protein response (UPR). In the absence of endoplasmic reticulum (ER) stress, inserted into ER membranes, with N-terminal DNA-binding and transcription activation domains oriented toward the cytosolic face of the membrane. In response to ER stress, transported to the Golgi, where it is cleaved in a site-specific manner by resident proteases S1P/MBTSP1 and S2P/MBTSP2. The released N-terminal cytosolic domain is translocated to the nucleus to effect transcription of specific target genes. Plays a critical role in bone formation through the transcription of COL1A1, and possibly COL1A2, and the secretion of bone matrix proteins. Directly binds to the UPR element (UPRE)-like sequence in an osteoblast-specific COL1A1 promoter region and induces its transcription. Does not regulate COL1A1 in other tissues, such as skin. Required to protect astrocytes from ER stress-induced cell death.

Gene ID:

TIPARP

Uniprot

Q7Z3E1

Synonyms:

TCDD-inducible poly(ADP-ribose) polymerase

Immunogen:

Synthetic peptide of human TIPARP.

Storage:

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

Product Images



Gel: 6%SDS-PAGE, Lysate: 40 ug, Lane: Mouse spleen tissue, Primary antibody: PACO20175(TIPARP Antibody) at dilution 1/200, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 5 minutes.