

**ZBTB8OS polyclonal antibody**

Catalog: BS35255

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

tRNA-splicing ligase-activating factor archease: Activation factor of RTCB, the catalytic subunit of the tRNA-splicing ligase complex (tRNA-LC), which is involved in the enzyme-dependent maturation of intron-containing pre-tRNAs. Functions downstream of the tRNA-splicing endonuclease that removes introns, ligating the two generated halves via phosphodiester bond formation. Catalyzes the GTP-dependent activation of RTCB, both proteins forming a composite active site coordinating GTP and metal ions to enable the guanylation of RTCB a prerequisite to undergo multiple catalytic cycles. Also required for the activation of RTCB in non-canonical, spliceosome-independent, cytoplasmic splicing of XBP1 mRNAs during the unfolded protein response (UPR). Upon endoplasmic reticulum (ER) stress, the endoribonuclease IRE1/ERN1 excises a short intron, generating free exon ends that are aligned by RNA-intrinsic, zipper-like stem-loop structures. T...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~19.5 kDa

Swiss-Prot:

Q8IWT0

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of ZBTB8OS protein

DATA:

Western blot analysis of Collagen 4 alpha 1 expression in Hela (A), MCF7 (B), U2OS (C), HEK293T (D), VEC (E) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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