

**RNF139 polyclonal antibody**

Catalog: BS32623

Host: Rabbit

Reactivity: Human

BackGround:

E3 ubiquitin-protein ligase RNF139: E3-ubiquitin ligase; acts as a negative regulator of cell proliferation through mechanisms involving G2/M arrest and cell death . Required for MHC class I ubiquitination in cells expressing the cytomegalovirus protein US2 before dislocation from the endoplasmic reticulum (ER) . Affects SREBP processing by hindering the SREBP-SCAP complex translocation from the ER to the Golgi, thereby reducing SREBF2 target gene expression . Involved in the sterol-accelerated degradation of HMGCR . This is achieved through binding of RNF139 to INSIG1 and/or INSIG2 at the ER membrane . In addition, interaction of RNF139 with AUP1 facilitates interaction of RNF139 with ubiquitin-conjugating enzyme UBE2G2 and ubiquitin ligase AMFR, leading to ubiquitination of HMGCR . The ubiquitinated HMGCR is then released from the ER into the cytosol for subsequent destruction . Required for INSIG1 ubiquitination . Ma...

Product:

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

Molecular Weight:

~76.0 kDa

Swiss-Prot:

Q8WU17

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

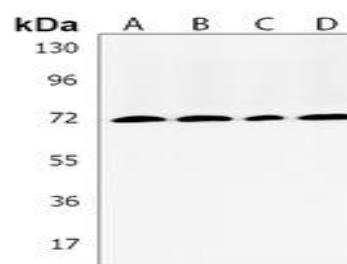
WB (1/500 - 1/1000)

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 RNF139 protein.

DATA:

Western blot analysis of MYL1 expression in HL60 (A), mouse heart (B), rat heart (C) whole cell lysates.

Note:

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

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