

**KBTBD2 polyclonal antibody**

Catalog: BS35684

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Kelch repeat and BTB domain-containing protein 2: Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex that acts as a regulator of the insulin signaling pathway, modulating insulin sensitivity by limiting PIK3R1/p85alpha abundance in adipocytes. Targets PIK3R1, the regulatory subunit of phosphatidylinositol 3-kinase (PI3K), for 'Lys-48'-linked polyubiquitination and proteasome-mediated degradation

Product:

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

Molecular Weight:

~71.3 kDa

Swiss-Prot:

Q8IY47

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200)

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 KBTBD2 protein

DATA:

Western blot analysis of Lamin A/C expression in NIH3T3 (A), C2C12 (B), U251 (C), Lncap (D), A549 (E) whole cell lysates.

Immunohistochemical analysis of Lamin A/C staining in human breast carcinoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Immunofluorescent analysis of Lamin A/C staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

Note:

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

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