

Phospho-TFEB(Ser142) Rabbit pAb

Catalog Number: bs-22337R

Target Protein: Phospho-TFEB(Ser142)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Mouse (predicted:Human, Rat, Rabbit, Pig, Cow, Dog, Horse)

Predicted MW: 52 kDa

Entrez Gene: 7942

Swiss Prot: P19484

Source: KLH conjugated Synthesised phosphopeptide derived from human TFEB around the phosphorylation site of Ser142: PN(p-S)PM.

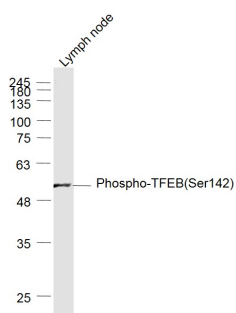
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

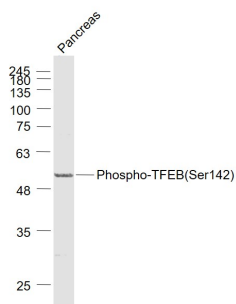
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Transcription factors of the basic helix-loop-helix zipper (bHLH-ZIP) family contain a basic domain, used for DNA binding, and HLH and ZIP domains, both used for oligomerization. TFEB was isolated from a human B-cell cDNA library using a binding sequence from the adenovirus major late promoter. This transcription factor probably binds to the USF/MLTF site and probably recognizes E-box sequences in the heavy-chain immunoglobulin enhancer.

VALIDATION IMAGES



Sample: Lymph node(Mouse) Lysate at 40 ug Primary: Anti- Phospho-TFEB(Ser142) (bs-22337R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52 kD
Observed band size: 52 kD



Sample: Pancreas (Mouse) Lysate at 40 ug Primary: Anti- Phospho-TFEB(Ser142) (bs-22337R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52 kD
Observed band size: 52 kD

PRODUCT SPECIFIC PUBLICATIONS

[IF=6.59] Dan Zhang. et al. Fagopyrum dibotrys extract alleviates hepatic steatosis and insulin resistance, and alters autophagy and gut microbiota diversity in mouse models of high-fat diet-induced non-alcoholic fatty liver disease. FRONT NUTR. 2022; 9: 993501 **WB ; Mouse** . 36451739

[IF=4.8] Yunxia Sun. et al. Acteoside improves adipocyte browning by CDK6-mediated mTORC1-TFEB pathway. BBA-MOL CELL BIOL L. 2023 Sep;1868:159364 **WB ; Mouse** . 37433343

[IF=4.5] Di Ouyang. et al. mTORC1 - TFEB pathway was involved in sodium arsenite induced lysosomal alteration, oxidative stress and genetic damage in BEAS-2B cells. TOXICOLOGY. 2024 May;504:153795 **WB ; Human** . 38574842

[IF=3.412] Hao Yu. et al. Activation of Transcription Factor EB Is Associated With Adipose Tissue Lipolysis in Dairy Cows With Subclinical Ketosis. Front Vet Sci. 2022; 9: 816064 **WB ; Cow(Calve)** . 35211541