
TFEB Rabbit pAb

Catalog Number: bs-5137R

Target Protein: TFEB

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

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

Predicted MW: 52 kDa

Subcellular: Cytoplasm, Nucleus

Locations:

Entrez Gene: 7942

Swiss Prot: P19484

Source: KLH conjugated synthetic peptide derived from human TFEB: 201-300/476.

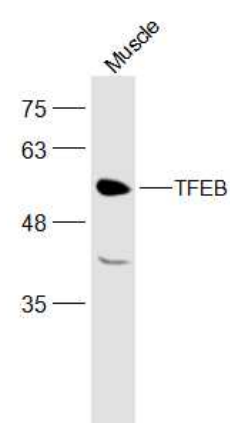
Purification: affinity purified by Protein A

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

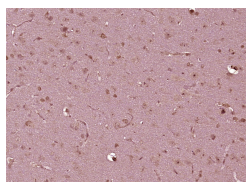
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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: Muscle (Mouse) Lysate at 40 ug Primary: Anti-TFEB (bs-5137R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52 kD Observed band size: 52 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TFEB) Polyclonal Antibody, Unconjugated (bs-5137R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=18.2] Tingkui Zhao. et al. A Triple-Targeted Rutin-Based Self-Assembled Delivery Vector for Treating Ischemic Stroke by Vascular Normalization and Anti-Inflammation via ACE2/Ang1-7 Signaling. ACS CENTRAL SCI. 2023;XXXX(XXX):XXX-XXX WB,IF,IHC,ICC ; Rat . 37396868

[IF=11.2] Ziwei Wang. et al. Agroclybe cylindracea fucoglucogalactan induced lysosome-mediated apoptosis of colorectal cancer cell through H3K27ac-regulated cathepsin D. CARBOHYD POLYM. 2023 Jul;;121208 ICC ; Human . 37567726

[IF=10.723] Ke Zhang. et al. Aloe gel glucomannan induced colon cancer cell death via mitochondrial damage-driven PINK1/Parkin mitophagy pathway. CARBOHYD POLYM. 2022 Nov;295:119841 IF ; Mouse . 35989033

[IF=11.092] Juan Cen. et al. A Water-Soluble Quercetin Conjugate with Triple Targeting Exerts Neuron-Protective Effect on Cerebral Ischemia by Mitophagy Activation. ADV HEALTHC MATER. 2022 Sep;;2200817 WB,IHC ; Rat, Human . 36071574

[IF=5.988] Liu Haoge. et al. Number 2 Feibi Recipe Ameliorates Pulmonary Fibrosis by Inducing Autophagy Through the GSK-3β/mTOR Pathway. FRONT PHARMACOL. 2022 Jul;0:2714 IF ; Mouse . 35903328