

**bs-5137R****[ Primary Antibody ]****BioSS**  
**ANTIBODIES**

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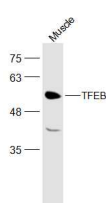
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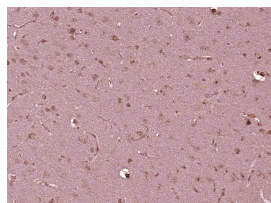
400-901-9800

**TFEB Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 7942 <b>Target:</b> TFEB <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human TFEB: 201-300/476. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 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. <b>Background:</b> 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.	<b>Isotype:</b> IgG <b>SWISS:</b> P19484	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Reactivity:</b> Mouse, Rat (predicted: Human, Rabbit, Pig, Cow, Dog, Horse) <b>Predicted MW.:</b> 52 kDa <b>Subcellular Location:</b> Cytoplasm ,Nucleus
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**— 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.

**— SELECTED CITATIONS —**

- **[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

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[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-3 $\beta$ /mTOR Pathway. FRONT PHARMACOL. 2022 Jul;0:2714 IF ;Mouse. 35903328