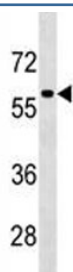


## TFEB Antibody (F46977)

| Catalog No.   | Formulation                                | Size    |
|---------------|--|---------|
| F46977-0.4ML  | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml  |
| F46977-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

[Bulk quote request](#)

|                             |  |
|-----------------------------|--|
| <b>Availability</b>         | 1-3 business days                                      |
| <b>Species Reactivity</b>   | Human  |
| <b>Predicted Reactivity</b> | Mouse  |
| <b>Format</b>               | Antigen affinity purified                              |
| <b>Host</b>                 | Rabbit   |
| <b>Clonality</b>            | Polyclonal (rabbit origin)                             |
| <b>Isotype</b>              | Rabbit Ig  |
| <b>Purity</b>               | Antigen affinity                                       |
| <b>UniProt</b>              | P19484   |
| <b>Applications</b>         | Western Blot : 1:1000                                  |
| <b>Limitations</b>          | This TFEB antibody is available for research use only. |



TFEB antibody western blot analysis in HepG2 lysate. Expected molecular weight: 53-60 kDa (unmodified), 65-70 kDa (modified).

## Description

Transcription factor that specifically recognizes and binds E-box sequences (3'-CANNTG-5'). Efficient DNA-binding requires dimerization with itself or with another MiT/TFE family member such as TFE3 or MITF. In association with TFE3, activates the expression of CD40L in T-cells, thereby playing a role in T-cell-dependent antibody responses in activated CD4(+) T-cells and thymus-dependent humoral immunity. Specifically recognizes and binds the CLEAR-box sequence (5'-GTCACGTGAC-3') present in the regulatory region of many lysosomal genes, leading to activate their expression. It

thereby plays a central role in expression of lysosomal genes. Specifically recognizes the gamma-E3 box, a subset of E-boxes, present in the heavy-chain immunoglobulin enhancer. Plays a role in the signal transduction processes required for normal vascularization of the placenta.

## **Application Notes**

Titration of the TFEB antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## **Immunogen**

A portion of amino acids 271-300 from the human protein was used as the immunogen for this TFEB antibody.

## **Storage**

Aliquot the TFEB antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.