# antibodies -online.com









| Overview             |   |
|----------------------|---|
| Quantity:            | 100 μL  |
| Target:              | TFEB  |
| Binding Specificity: | AA 1-220  |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This TFEB antibody is un-conjugated                         |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (IHC)    |
| Product Details      |   |
| Immunogen:           | Recombinant Human Transcription factor EB protein (1-220AA) |
| Isotype:             | IgG   |

# Target Details

Cross-Reactivity:

Purification:

| Target:           | TFEB  |
|-------------------|---|
| Alternative Name: | TFEB (TFEB Products)  |
| Background:       | Background: Transcription factor that specifically recognizes and binds E-box sequences (5\\\'- |
|                   | CANNTG-3\\\'). Efficient DNA-binding requires dimerization with itself or with another MiT/TFE  |

Human, Mouse

Antigen Affinity Purified

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. Acts as a positive regulator of autophagy by promoting expression of genes involved in autophagy. 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.

Aliases: Alpha TFEB antibody, AlphaTFEB antibody, bHLHe35 antibody, Class E basic helix-loophelix protein 35 antibody, T cell transcription factor EB antibody, TCFEB antibody, TFEB antibody, TFEB\_HUMAN antibody, Transcription factor EB antibody

UniProt:

P19484

# Application Details

| - ' '              |  |
|--------------------|--|
| Application Notes: | Recommended dilution: WB:1:200-1:1000, IHC:1:20-1:200, |
| Restrictions:      | For Research Use only                                  |
| Handling           |  |
| Format:            | Liquid   |

Format:

Liquid

Buffer:

PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative:

Sodium azide

Precaution of Use:

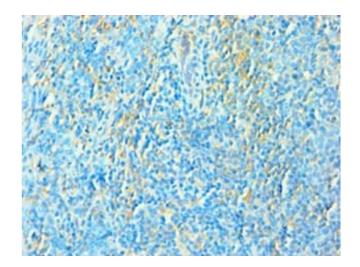
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage:

-20 °C,-80 °C

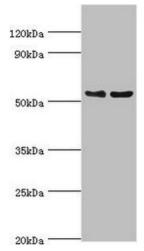
Storage Comment:

Upon receipt, store at -20 °C or -80 °C. Avoid repeated freeze.



## **Immunohistochemistry**

**Image 1.** Immunohistochemistry of paraffin-embedded human tonsil tissue using ABIN7172534 at dilution of 1:100



### **Western Blotting**

**Image 2.** Western blot All lanes: Transcription factor EB antibody at 3  $\mu$ g/mL Lane 1: Jurkat whole cell lysate Lane 2: Mouse brain tissue Secondary Goat polyclonal to rabbit lgG at 1/10000 dilution Predicted band size: 53, 44 kDa Observed band size: 53 kDa