Datasheet for ABIN7172536

anti-TFEB antibody (AA 1-476)

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Overview

Quantity:	100 μg
Target:	TFEB
Binding Specificity:	AA 1-476
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TFEB antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Transcription factor EB protein (1-476AA)
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	>95%, Protein G purified

Target Details

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

Target Details

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-loop-helix protein 35 antibody, T cell transcription factor EB antibody, TCFEB antibody, TFEB antibody, TFEB_HUMAN antibody, Transcription factor EB antibody

UniProt:	P19484

Application Details

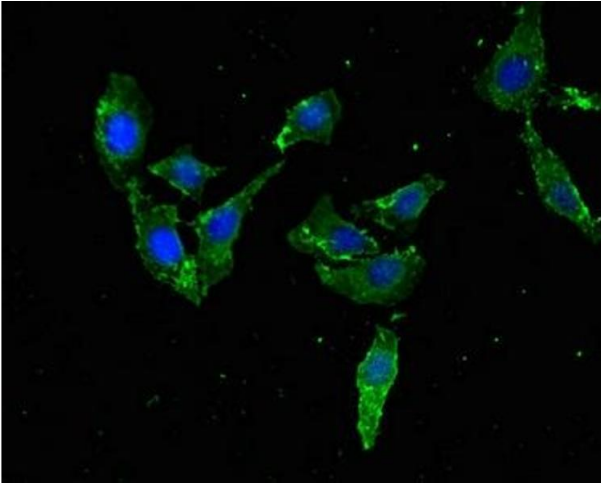|	
Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,
Restrictions:	For Research Use only

Handling

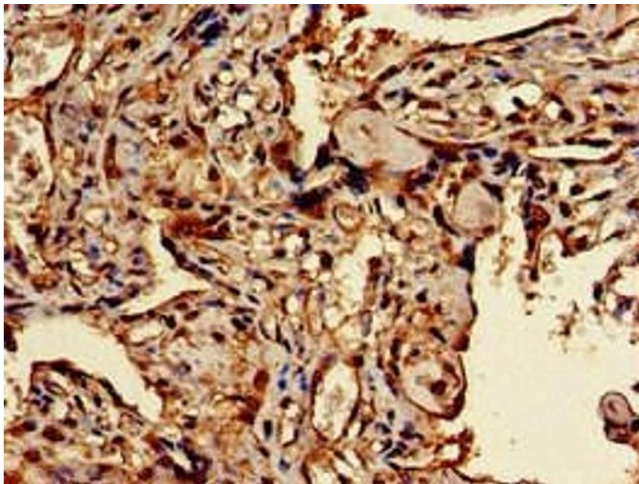|	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300
	Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

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Images

Immunofluorescence

Image 1. Immunofluorescent analysis of Hela cells using ABIN7172536 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human placenta tissue using ABIN7172536 at dilution of 1:100

Western Blotting

Image 3. Western Blot Positive WB detected in: Rat lung tissue All lanes: TFEB antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 53, 44 kDa Observed band size: 70 kDa