

Product datasheet for TA359209

TFEB Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Reactivity: Human Host: Rabbit

Clonality: Polyclonal

Immunogen: The immunogen is a synthetic peptide directed towards the C-terminal region of Human TFEB

Expected reactivity: Human Specificity:

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification: Affinity Purified Unconjugated Conjugation:

For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small Storage:

aliquots to prevent freeze-thaw cycles.

Shelf life: one year from despatch. Stability:

Predicted Protein Size: 52kDa

Gene Name: transcription factor EB

Database Link: XP 005249469

Entrez Gene 7942 Human

P19484



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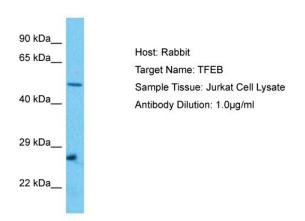
Background:

TFEB is a 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 family member such as TFE3 or MITF. In association with TFE3, TFEB 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. TFEB 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. TFEB acts as a positive regulator of autophagy by promoting expression of genes involved in autophagy. TFEB specifically recognizes the gamma-E3 box, a subset of E-boxes, present in the heavy-chain immunoglobulin enhancer. TFEB plays a role in the signal transduction processes required for normal vascularization of the placenta.

Synonyms:

ALPHATFEB; BHLHE35; OTTHUMP00000043540; TCFEB

Product images:



Host: Rabbit Target Name: TFEB

Sample Type: Jurkat Whole Cell lysates

Antibody Dilution: 1.0ug/ml