

TFEB Polyclonal Antibody

Catalog number: 13372-1-AP

Size: 53 µg/150 µl

Source: Rabbit

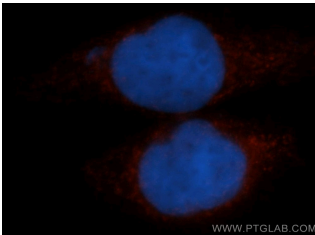
Isotype: IgG

Synonyms:

TFEB; AlphaTFEB, bHLHe35,

TCFEB, TFEB, transcription

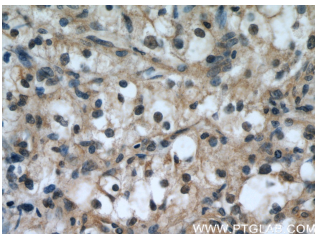
factor EB



Immunofluorescent analysis of HeLa cells, using TFEB antibody 13372-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunohistochemical of paraffin-embedded human renal cell carcinoma using 13372-1-AP (TFEB antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human renal cell carcinoma using 13372-1-AP (TFEB antibody) at dilution of 1:50 (under 40x lens)

Background

Transcription factor EB (TFEB) is one of the transcription factors that contain a basic HLH-ZIP domain (for DNA binding) and HLH and ZIP domains (for oligomerization). TFEB specifically recognizes and binds to E-box sequences, which required dimerization with itself or another MIT/TFE family member. It plays a role in T-cell-dependent antibody responses to activated CD4+ T-cells and thymus-dependent humoral immunity once associated with TFE3. It also activates lysosomal gene by binding the CLEAR-box sequence in the regulatory region. It involves in the signal transduction processes required for normal vascularization of the placenta. This is a rabbit polyclonal antibody raised against the full length of human TFEB

Applications

Tested applications:	ELISA, WB, IHC, IF, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated TFEB MW:	476aa, 53 kDa
Observed TFEB MW:	65-70 kDa
Positive WB detected in	Jurkat cells, HeLa cells, human placenta tissue, mouse brain tissue, NIH/3T3 cells, rat brain tissue
Positive IP detected in	NIH/3T3 cells
Positive IHC detected in	Human renal cell carcinoma tissue, human placenta tissue
Positive IF detected in	HeLa cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:500-1:5000 IHC: 1:20-1:200 IF: 1:20-1:200

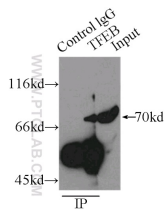
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

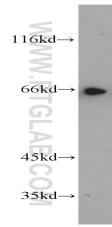
Immunogen:	Ag4194
GenBank accession number:	BC032448
Gene ID (NCBI):	7942
Full name:	Transcription factor EB

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



**IP Result of anti-TFEB
 (IP:13372-1-AP, 3ug;
 Detection:13372-1-AP 1:1000)
 with NIH/3T3 cells lysate
 3300ug.**



**Jurkat cells were subjected to
 SDS PAGE followed by
 western blot with 13372-1-
 AP(TFEB antibody) at dilution
 of 1:1000**