BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Transcription factor EB TFEB Antibody

Catalog Number: A00662

About TFEB

The Transcription factor EB (TFEB) is a member in the basic helix-loop-helix leucine zipper superfamily of transcription factors that is translocated in a subset of renal tumors. Recent studies have shown that lysosomal biogenesis is regulated by TFEB, which is in turn regulated by the mammalian target of rapamycin (mTOR) complex 1. Other evidence suggests that TFEB coordinates the major steps of the autophagic pathway by driving the expression of autophagy and lysosomal genes.

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Overview

Product Name	Anti-Transcription factor EB TFEB Antibody
Reactive Species	Human
Description	Boster Bio Anti-Transcription factor EB TFEB Antibody (Catalog # A00662). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TFEB Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	TFEB antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P19484

Technical Details

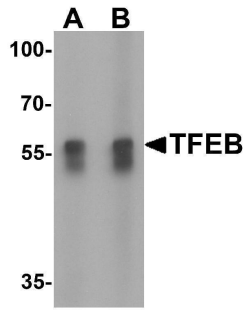
Immunogen	TFEB antibody was raised against an 18 amino acid synthetic peptide near the amino terminus of human TFEB. The immunogen is located within amino acids 70 - 120 of TFEB.
Predicted Reactive Species	Mouse
Isotype	IgG

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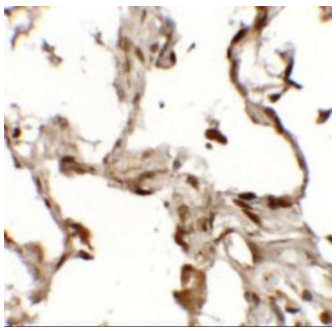
Form	Liquid
Concentration	1 mg/mL
Purification	TFEB Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	TFEB antibody can be used for detection of TFEB by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 2.5 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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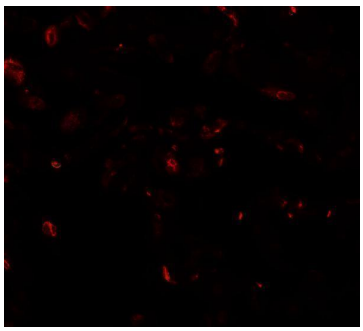
Anti-Transcription factor EB TFEB Antibody (A00662) Images



Western blot analysis of TFEB in A549 cell lysate with TFEB antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of TFEB (NT) in human lung tissue with TFEB (NT) antibody at 2.5 ug/mL.



Immunofluorescence of TFEB in human lung tissue with TFEB antibody at 20 ug/mL.

Anti-Transcription factor EB TFEB Antibody

For Research Use Only. Not for use in diagnostic procedures.