

Rabbit anti-Human, Mouse TFEB Polyclonal Antibody | anti-TFEB antibody

Rabbit anti-TFEB Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212256	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

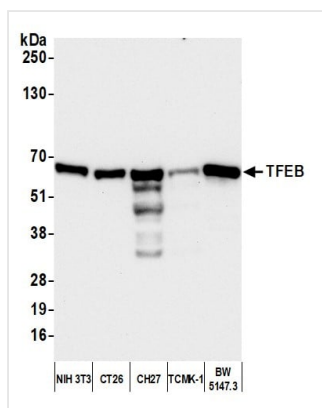
PRODUCT SYNONYMS

TFEB; Polyclonal Antibody; Rabbit anti-TFEB Antibody; Affinity Purified; ALPHATFEB; transcription factor EB; TCFEB; BHLHE35; class E basic helix-loop-helix protein 35; T-cell transcription factor EB; Transcription factor EB; anti-TFEB antibody

PRODUCT SPECIFICATIONS

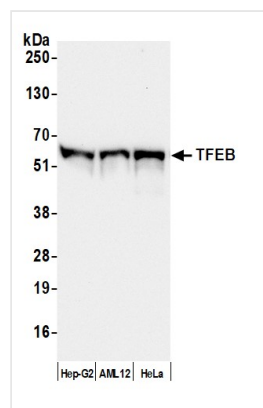
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-TFEB antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 426 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



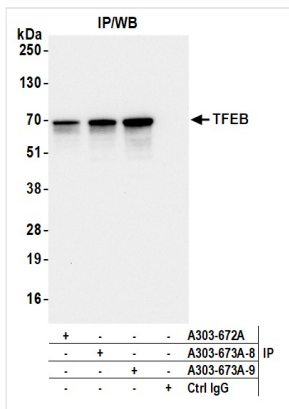
WB (Western Blot)

Detection of mouse TFEB by western blot. Samples: Whole cell lysate (25 ug) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-TFEB antibody (AAA212256 lot 9) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



WB (Western Blot)

Detection of human TFEB by western blot. Samples: Whole cell lysate (50 ug) from Hep-G2, AML12, and HeLa cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-TFEB antibody (AAA212256 lot 9) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human TFEB by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-TFEB antibody (AAA212256 lot 9) used for IP at 6 ug per reaction. TFEB was also immunoprecipitated by a previous lot of this antibody (AAA212256 lot 8) and a second antibody against a different epitope of TFEB . For blotting immunoprecipitated TFEB, AAA212256 was used at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-TFEB antibody	Transcription factor EB (TFEB) specifically recognizes and binds E-box sequences (3'-CANNTG-5'). 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; thus, TFEB plays a central role in expression of lysosomal genes. TFEB also specifically recognizes the gamma-E3 box, a subset of E-boxes, present in the heavy-chain immunoglobulin enhancer [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/P19484].
Product Categories/Family for anti-TFEB antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	268607698
NCBI GeneID	7942
NCBI Accession #	NP_009093.1
NCBI GenBank Nucleotide #	NM_007162
UniProt Accession #	P19484; Q709B3; Q7Z6P9; Q9BRJ5; Q9UJD8
NCBI Official Full Name	Homo sapiens transcription factor EB (TFEB), transcript variant 1, mRNA
NCBI Official Synonym Full Names	transcription factor EB
NCBI Official Symbol	TFEB
NCBI Official Synonym Symbols	TCFEB; BHLHE35; ALPHATFEB
NCBI Protein Information	transcription factor EB; T-cell transcription factor EB; class E basic helix-loop-helix protein 35
UniProt Protein Name	Transcription factor EB
UniProt Gene Name	TFEB
UniProt Synonym Gene Names	BHLHE35; bHLHe35

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tfeb-antibody-immunoprecipitation-western-blot-elisa/212256>