

TFEB recombinant antibody

Rabbit anti-TFEB Recombinant Monoclonal Antibody [BLR070G]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213560	Rabbit	Human, Mouse	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

TFEB; Monoclonal Recombinant Antibody; Rabbit anti-TFEB Recombinant Monoclonal Antibody [BLR070G]; ALPHATFEB; transcription factor EB; TCFEb; BHLHE35; class E basic helix-loop-helix protein 35; T-cell transcription factor EB; Transcription factor EB; TFEB recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Clone Number	BLR070G
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
Concentration	100ug/ml (varies by lot)
Applicable Applications for TFEB recombinant antibody	FCM/FACS (Flow Cytometry), 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 human TFEB by western blot. Samples: Whole cell lysate (50 ug) from HeLa, Hep-G2, MCF-7, Jurkat, and K-562 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-TFEB recombinant monoclonal antibody (AAA213560 lot 2) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 3 minutes. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



WB (Western Blot)

Detection of mouse TFEB by western blot. Samples: Whole cell lysate (50 ug) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-TFEB recombinant monoclonal antibody (AAA213560 lot 2) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



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: Rabbit anti-TFEB recombinant monoclonal antibody (AAA213560 lot 2) used for IP at 20 ul/mg lysate. TFEB was also immunoprecipitated by a previous lot of this antibody (AAA213560 lot 1) and a second antibody against a different epitope of TFEB. For blotting immunoprecipitated TFEB, AAA213560 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 10 seconds.



FCM/FACS (Flow Cytometry)

Detection of human TFEB (shaded) in Daudi cells by flow cytometry. Antibody: Rabbit anti-TFEB recombinant monoclonal antibody (AAA213560) or isotype control (unshaded). Secondary: DyLight 650-conjugated goat anti-rabbit IgG.

ADDITIONAL INFORMATION

Related Product Information for TFEB recombinant 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 TFEB recombinant 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
UniProt Entry Name	TFEB_HUMAN

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/monoclonal/tfeb-recombinant-antibody-clone-blr070g-flow-cytometry-immunoprecipitation-western-blot-elisa/213560>