

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

TFEB Antibody

CATALOG # AAA40643	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunohistochemistry, ELISA
------------------------------	-----------------------	----------------------------	--

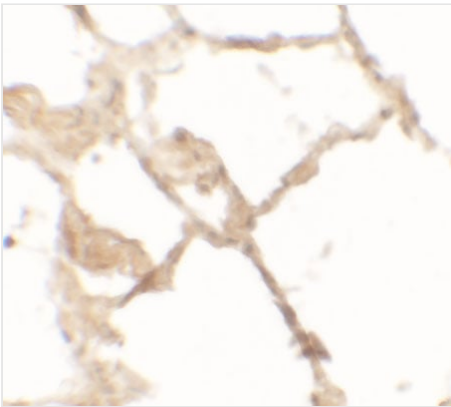
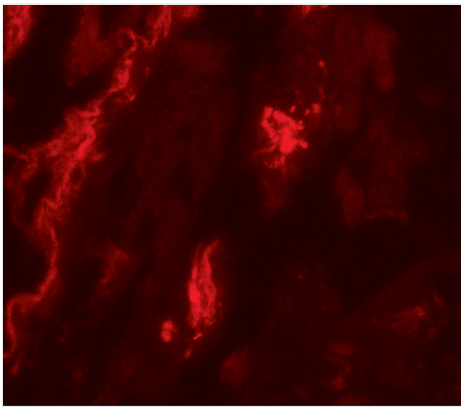
PRODUCT SYNONYMS

TFEB; Polyclonal Antibody; TFEB Antibody; TCFEb; BHLHE35; ALPHATFEB; Transcription factor EB; Class E basic helix-loop-helix protein 35; bHLHe35; transcription factor EB; anti-TFEB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	TFEB antibody is human specific. At least three isoforms of TFEB are known to exist.
Purity/Purification	TFEB antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	476
Applicable Applications for anti-TFEB antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Conjugate	Unconjugated
Immunogen	Rabbit polyclonal TFEB antibody was raised against a 16 amino acid peptide near the carboxy terminus of human TFEB.
Buffer	TFEB antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	TFEB antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of TFEB in human lung tissue with TFEB antibody at 20 µg/mL.

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

ADDITIONAL INFORMATION

Related Product Information for anti-TFEB antibody

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 (1,2). Recent studies have shown that lysosomal biogenesis is regulated by TFEB (3), which is in turn regulated by the mammalian target of rapamycin (mTOR) complex 1 (4). Other evidence suggests that TFEB coordinates the major steps of the autophagic pathway by driving the expression of autophagy and lysosomal genes (5).

NCBI AND UNIPROT INFORMATION

NCBI GI #	24307933
NCBI GeneID	7942
NCBI Accession #	NP_009093
NCBI GenBank Nucleotide #	NM_007162.2
UniProt Accession #	P19484; Q709B3; Q7Z6P9; Q9BRJ5; Q9UJD8
Molecular Weight	43,803 Da
NCBI Official Full Name	transcription factor EB isoform 1
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.