

Rabbit TFEB Polyclonal Antibody | anti-TFEB antibody

TFEB Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28425	Rabbit	Human, Mouse, Rat	Western Blot, Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

TFEB; Polyclonal Antibody; TFEB Rabbit pAb; ALPHATFEB; BHLHE35; TCFEb; anti-TFEB antibody

PRODUCT SPECIFICATIONS

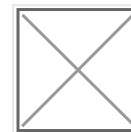
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.01% thiomersal, 50% glycerol, pH7.3.
Sequence	LPEPEGGLKC LIPEGAVCRG ELLGSGCFGV VHRGLWTLPS GKSVPVAVKS LRVGPEGPMG TELGDFLREV SVMNLEHPH VLRLHGLVLG QPLQMVMELA PLGSLHARLT APAPTPLL V ALLCLFLRQL AGAMAYLGAR GLVHRDLATR NLLASPRTI KVADFGLV RP LGGARGRYVM GGPRPIPYAW CAPESLRHGA FSSASDVWMF GVTLWEMFSG GEEPWAGVPP YLILQRLEDR ARLPRPLCS RALYSLALRC WAPHPADRP S FSHLEGLLQE A
Applicable Applications for anti-TFEB antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Application Notes	WB: 1:500-1:2000 IF/ICC: 1:50-1:200 IHC: 1:50-1:200
Positive Samples	Raji, Mouse spleen, Mouse heart, Rat thymus
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 50-173 of human TFEB (NP_009093.1).
Cellular Location	cytoplasm, cytosol, extracellular exosome, microtubule cytoskeleton, mitochondrial inner membrane, mitochondrial intermembrane space, mitochondrial matrix, mitochondrial nucleoid, mitochondrion, nucleus
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using [KO Validated] TFEB Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

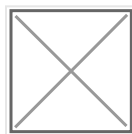
Immunofluorescence analysis of PC-12 cells using [KO Validated] TFEB Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

**IF (Immunofluorescence)**

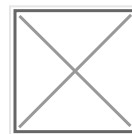
Immunofluorescence analysis of NIH/3T3 cells using [KO Validated] TFEB Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded rat lung using TFEB Rabbit pAb at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded mouse lung using TFEB Rabbit pAb at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human colon carcinoma using TFEB Rabbit pAb at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

ADDITIONAL INFORMATION

Related Product Information for anti-TFEB antibody	Transcription factor that acts as a master regulator of lysosomal biogenesis, autophagy, lysosomal exocytosis, lipid catabolism, energy metabolism and immune response. Specifically recognizes and binds E-box sequences (5'-CANNTG-3'; efficient DNA-binding requires dimerization with itself or with another MiT/TFE family member such as TFE3 or MITF. Involved in the cellular response to amino acid availability by acting downstream of MTOR: in the presence of nutrients, TFEB phosphorylation by MTOR promotes its cytosolic retention and subsequent inactivation. Upon starvation or lysosomal stress, inhibition of MTOR induces TFEB dephosphorylation, resulting in nuclear localization and transcription factor activity.
Product Categories/Family for anti-TFEB antibody	Epigenetics & Nuclear Signaling ; Transcription Factors ; Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	23273502
NCBI GeneID	8711
UniProt Accession #	Q13470 ; O95364 ; Q8IYI4
Molecular Weight	71,922 Da
NCBI Official Full Name	TNK1 protein
NCBI Official Synonym Full Names	tyrosine kinase, non-receptor, 1
NCBI Official Symbol	TNK1
NCBI Protein Information	non-receptor tyrosine-protein kinase TNK1
UniProt Protein Name	Non-receptor tyrosine-protein kinase TNK1
UniProt Gene Name	TNK1
UniProt Entry Name	TNK1_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/polyclonal/tfeb-antibody-western-blot-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/28425>