

Rabbit anti-Human, Mouse TFE3 Polyclonal Antibody | anti-TFE3 antibody

TFE3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323824	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

TFE3; Polyclonal Antibody; TFE3 Antibody; bHLH e33; bHLHe33; Class E basic helix-loop-helix protein 33; RCCP 2; RCCP2; RCCX1; Renal cell carcinoma; papillary; Tcfe 3; Tcfe3; TFE 3; Tfe3; TFE3_HUMAN; TFEA; Transcription factor binding to IGHM enhancer 3; Transcription factor E family; member A; Transcription factor E3; Transcription factor for IgH enhancer; Transcription factor for immunoglobulin heavy chain enhancer 3; anti-TFE3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	TFE3 antibody detects endogenous levels of total TFE3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	470
Applicable Applications for anti-TFE3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Ubiquitous in fetal and adult tissues.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from K562 cells using TFE3 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA323824 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)

AAA323824 at 1/100 staining Mouse colon tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-TFE3 antibody	Function: Transcription factor that 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 TFEB or MITF. In association with 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. Specifically recognizes the MUE3 box, a subset of E-boxes, present in the immunoglobulin enhancer. It also binds very well to a USF/MLTF site. Subunit Structure: Homodimer and heterodimer; with TFEB or MITF. Post-translational Modifications: Sumoylated; does not affect dimerization with MITF. Similarity: Belongs to the MiT/TFE family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	531034764
NCBI GeneID	7030
NCBI Accession #	NP_001269071.1
NCBI GenBank Nucleotide #	NM_001282142.1
UniProt Accession #	P19532; Q5JU74; Q92757; Q92758; Q99964; A8MZL6
Molecular Weight	Observed: 62 kD Predicted: 62 kDa
NCBI Official Full Name	transcription factor E3 isoform 2
NCBI Official Synonym Full Names	transcription factor binding to IGHM enhancer 3
NCBI Official Symbol	TFE3
NCBI Official Synonym Symbols	TFEA; RCCP2; RCCX1; bHLHe33
NCBI Protein Information	transcription factor E3
UniProt Protein Name	Transcription factor E3
UniProt Gene Name	TFE3
UniProt Synonym Gene Names	BHLHE33; bHLHe33

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/tfe3-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/323824>