

Rabbit TFE3 Polyclonal Antibody | anti-TFE3 antibody

TFE3 Rabbit anti-Human Polyclonal (Internal) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162739	Rabbit	Mouse, Dog, Bovine, Rat, Pig, Human	Western Blot, Immunohistochemistry, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

PRODUCT SYNONYMS

TFE3; Polyclonal Antibody; TFE3 Rabbit anti-Human Polyclonal (Internal) Antibody; PathPlus TFE3 Antibody (Internal); BHLHe33; Transcription factor E3; RCCX1; TFEA; RCCP2; anti-TFE3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Dog, Bovine, Rat, Pig, Human
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of TFE3 protein.
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, pH7.3, 0.01% Sodium Azide, 30% Glycerol
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-TFE3 antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Target	Human TFE3
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the central region of human TFE3.
Conjugation	Unconjugated
Epitope	Internal
Preparation and Storage	Store at -20 degree C. Aliquot to avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

TFE3 Antibody-Human Breast: Formalin-Fixed, Paraffin-Embedded (FFPE)



WB (Western Blot)

TFE3 Antibody-Western blot analysis of TFE3 expression in HeLa (A); mouse lung (B); PC12 (C) whole cell lysates.



ICC (Immunocytochemistry)

TFE3 Antibody-Immunofluorescent analysis of TFE3 staining in PC12 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-TFE3 antibody	TFE3 antibody is an unconjugated rabbit polyclonal antibody to TFE3 (Internal) from human. It is reactive with human, mouse, rat and other species. Validated for ICC, IF, IHC and WB. TFE3 (Transcription factor binding to IGHM enhancer 3) is a nuclear protein that promotes the expression of genes downstream to TGF-beta signaling. Chromosomal translocations between this gene (located on Xp11.2) and other genes promote growth and proliferation, and oncogenic activation. Translocation or overexpression of this gene has been implicated in renal cell carcinoma, lung adenocarcinoma, alveolar soft-part sarcoma, papillary thyroid carcinoma, melanoma, and mesotheliomas. It is expressed in a wide variety of tissues, and is nuclear in localization.
References	AmJSurgPathol 2009 33:1894; Histopath 1993, 23:439

NCBI AND UNIPROT INFORMATION

NCBI GI #	8659574
NCBI GeneID	7030
NCBI Accession #	NP_006512.2
NCBI GenBank Nucleotide #	NM_006521
UniProt Accession #	P19532; Q92757; Q92758; Q99964; A8MZL6
Molecular Weight	61,521 Da
NCBI Official Full Name	transcription factor E3
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; Transcription factor for IgH enhancer; transcription factor E family, member A; class E basic helix-loop-helix protein 33
UniProt Protein Name	Transcription factor E3
UniProt Gene Name	TFE3
UniProt Synonym Gene Names	BHLHE33; bHLHe33
UniProt Entry Name	TFE3_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.