

Anti-TFE3 antibody



Description Rabbit polyclonal to TFE3.

Model STJ95977

Host Rabbit

Reactivity Human, Mouse

Applications ELISA, IHC, WB

ImmunogenSynthesized peptide derived from human TFE3

Immunogen Region 70-150 aa, Internal

Gene ID <u>7030</u>

Gene Symbol TFE3

Dilution range WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000

Specificity TFE3 Polyclonal Antibody detects endogenous levels of TFE3 protein.

Tissue Specificity Ubiquitous in fetal and adult tissues.

Purification The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Note For Research Use Only (RUO).

Protein Name Transcription factor E3 Class E basic helix-loop-helix protein 33 bHLHe33

Molecular Weight 62 kDa

Clonality Polyclonal

Conjugation Unconjugated

Isotype IgG

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Concentration 1 mg/ml

Storage Instruction Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links <u>HGNC:11752OMIM:314310</u>

Alternative Names Transcription factor E3 Class E basic helix-loop-helix protein 33 bHLHe33

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.

Cellular Localization Nucleus.

Post-translational Sumoylated; does not affect dimerization with MITF.

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Modifications

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