



TFE3 rabbit pAb

Cat No.:ES7376

For research use only

Overview

Product Name	TFE3 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human TFE3. AA range:101-150
Specificity	TFE3 Polyclonal Antibody detects endogenous levels of TFE3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Transcription factor E3
Gene Name	TFE3
Cellular localization	Cytoplasm, cytosol . Nucleus . When nutrients are present, phosphorylation by MTOR prevents nuclear translocation and activity (PubMed:22692423, PubMed:30733432). Conversely, inhibition of mTORC1, starvation and lysosomal disruption, promotes dephosphoryl
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	62kD
Human Gene ID	7030
Human Swiss-Prot Number	P19532
Alternative Names	TFE3; BHLHE33; Transcription factor E3; Class E basic helix-loop-helix protein 33; bHLHe33

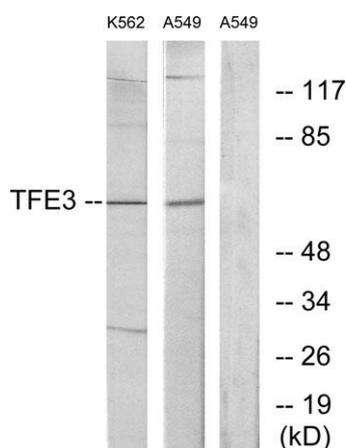
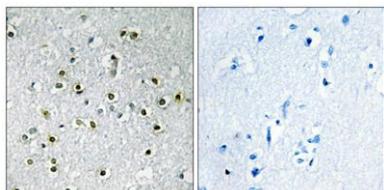




Background

This gene encodes a basic helix-loop-helix domain-containing transcription factor that binds MUE3-type E-box sequences in the promoter of genes. The encoded protein promotes the expression of genes downstream of transforming growth factor beta (TGF-beta) signaling. This gene may be involved in chromosomal translocations in renal cell carcinomas and other cancers, resulting in the production of fusion proteins. Translocation partners include PRCC (papillary renal cell carcinoma), NONO (non-POU domain containing, octamer-binding), and ASPSCR1 (alveolar soft part sarcoma chromosome region, candidate 1), among other genes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013],

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using TFE3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from K562 and A549 cells, using TFE3 Antibody. The lane on the right is blocked with the synthesized peptide.

