

产品名称: TFE3 Rabbit Polyclonal Antibody
产品货号: APRab18823



产品概述 (Summary)

产品名称 (Production Name)	TFE3 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	TFE3
别名 (Alternative Names)	TFE3; BHLHE33; Transcription factor E3; Class E basic helix-loop-helix protein 33; bHLHe33
基因 ID (Gene ID)	7030.0
蛋白 ID (SwissProt ID)	P19532.The antiserum was produced against synthesized peptide derived from human TFE3. AA range:101-150

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	62kDa

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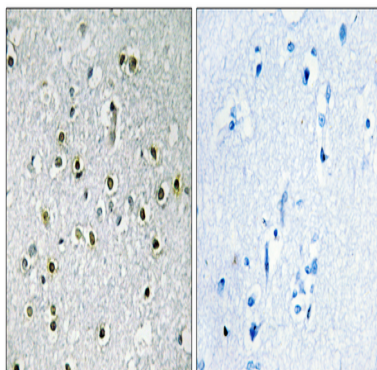
研究背景 (Background)

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], disease:Chromosomal aberrations involving TFE3 are recurrent in alveolar soft part sarcoma (ASPS) [MIM:606243]. Translocation t(X;17)(p11;q25) with ASPSCR1 forms a ASPSCR1-TFE3 fusion protein., disease:Chromosomal aberrations involving TFE3 are recurrent in alveolar soft part sarcoma (ASPS). Translocation t(X;17)(p11;q25) with ASPSCR1 forms a ASPSCR1-TFE3 fusion protein., disease:Chromosomal aberrations involving TFE3 may be a cause of papillary renal cell carcinoma (PRCC) [MIM:605074]. Translocation t(X;1)(p11.2;q21.2) with PRCC; translocation t(X;1)(p11.2;p34) with PSF; inversion inv(X)(p11.2;q12) that fuses NONO to TFE3., function:Positive-acting transcription factor that binds to the immunoglobulin enhancer MUE3 motif. It also binds very well to a USF/MLTF site. Binding of TFE3 to DNA induces DNA binding., similarity:Belongs to the MiT/TFE family., similarity:Contains 1 basic helix-loop-helix (bHLH) domain., subunit:Efficient DNA binding requires dimerization with another bHLH protein., tissue specificity:Ubiquitous in fetal and adult tissues.,

研究领域 (Research Area)

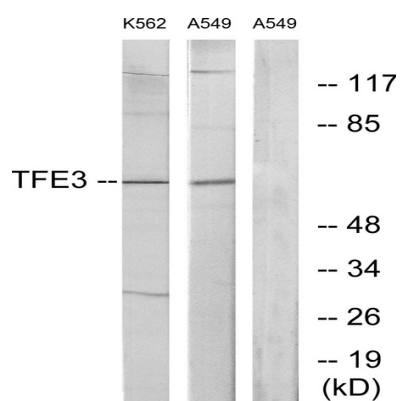
Immunology; Adaptive Immunity; T Cells; Non-CDE; pigenetics and Nuclear Signaling; Transcription; Domain Families; HLH / Leucine Zipper; HLH; Cancer susceptibility; Proto-oncogenes

图片 (Image Data)



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

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

注意事项 (Note)

For research use only .