Product Datasheet

TFE3 Antibody

Catalog No: #33708

Package Size: #33708-1 50ul #33708-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

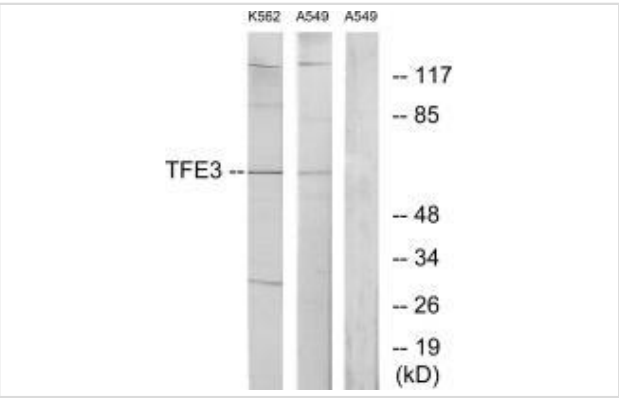
Product Name	TFE3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total TFE3 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human TFE3.
Target Name	TFE3
Other Names	Transcription factor E3; TFE3;
Accession No.	Swiss-Prot: P19532NCBI Gene ID: 7030
Uniprot	P19532
GeneID	7030;
SDS-PAGE MW	62kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

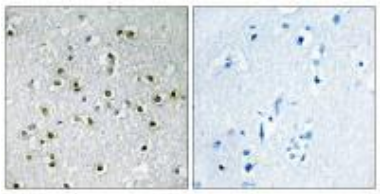
Western blotting: 1:500~1:3000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from K562 cells and A549 cells, using TFE3 antibody #33708.



Immunohistochemistry analysis of paraffin-embedded human brain tissue using TFE3 antibody #33708.

Background

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.

Clark J., Oncogene 15:2233-2239(1997).
Sidhar S.K., Hum. Mol. Genet. 5:1333-1338(1996).
Beckmann H., Genes Dev. 4:167-179(1990).

Note: This product is for in vitro research use only