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# TFE3 Ab

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| Cat.#: AF0363 | Concn.: 1mg/ml | Mol.Wt.: 62kDa |
| Size: 100ul,200ul | Source: Rabbit | Clonality: Polyclonal |

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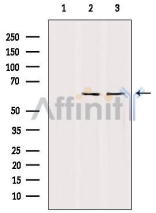
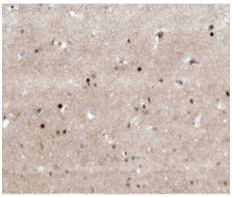
| Application: | WB: 1:500~1:3000 IHC: 1:50~1:200, IF/ICC 1:100-1:500 |
| Reactivity: | Human,Mouse |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |
| Specificity: | TFE3 Ab detects endogenous levels of total TFE3. |
| Immunogen: | A synthesized peptide derived from human TFE3. |
| Uniprot: | P19532 |
| Description: | TFE3 Transcription factor that specifically recognizes and binds E-box sequences (3'-CANNTG-5'). 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. |
| Subcellular Location: | Nucleus. |
| Tissue Specificity: | Ubiquitous in fetal and adult tissues. |
| Similarity: | Belongs to the MiT/TFE family. |
| Storage Condition and Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt. |




Western blot analysis of extracts from various samples, using TFE3 Ab.
Lane 1: Mouse cancer treated with blocking peptide.
Lane 2: Mouse cancer;
Lane 3: hela;



AF0363 at 1/100 staining human brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

AF0363 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An  Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

AF0363 staining K562 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An  Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

*IMPORTANT:* For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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