

TFE3 (Clone EP285)

Rabbit Monoclonal Antibody

Specificity: Human. Others not tested

Immunogen: Recombinant peptide fragment within human TFE3

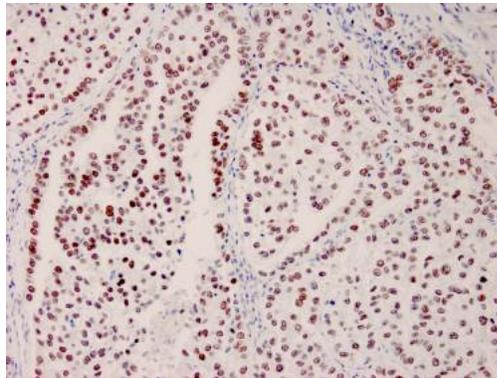
Ig Class: Rabbit IgG

Storage: Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:50-100; *Positive Control:* Testis (germ cells) or Xp11 translocation renal cell carcinoma. *Cellular Localization:* Nuclear. *Intended Use:* In vitro diagnosis (IVD).

Description: Xp11 translocation renal cell carcinomas (RCC) are a recently recognized subset of RCC, characterized by chromosome translocations involving the Xp11.2 break point and resulting in gene fusions involving the TFE3 transcription factor gene that maps to this locus. Xp11 translocation RCC represents the most common type of RCC in children. The most sensitive and specific immunohistochemical marker for the Xp11 translocation RCC is nuclear labeling of TFE3 protein, which reflects over-expression of the resulting fusion proteins relative to native TFE3. The hallmark of Alveolar soft part sarcoma (ASPS) is a chromosomal rearrangement at 17q25 and Xp11.2 engendering an ASPSCR1-TFE3 fusion gene responsible for an aberrant transcription factor presumably enabling pathogenesis. The presence of this 'super-activated' transcription factor may induce the expression of numerous molecules contributing to ASPS diagnosis, progression, and metastasis.

Supplied As: Purified antibody with 0.2% BSA and 15mM sodium azide.



Formalin-fixed, paraffin-embedded human renal cell carcinoma stained with anti-TFE3 antibody using peroxidase-conjugate and DAB chromogen. Note nuclear staining of tumor cells

Cat #: Z2311 (1.0 ml)